



भारत का राजपत्र

(The (Baxette of 3ndxa

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 34] नई दिल्ली, शनिवार, अगस्त 23, 1997 (भाद्रपद 1, 1919)

No. 34] NEW DELHI, SATURDAY, AUGUST 23, 1997 (BHADRA 1, 1919)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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Calcutta, the 23rd August 1997

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Telegraphic address "PATENTOFFICE"

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Rhavit, Besant Nagar, Chennai-600 090.

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and Amindivi Islands,

Telegraphic address "PATENTOFFICE"

Patent Office, (Head Office),
"N12AM PALACE", 2nd M.S.O.
Building, 5th, 6th & 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

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पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 23 अगस्त 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जैन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोली इस्टेट,
तीसरा तल, लोकर परले (प.),
मुम्बई-400013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, वमन तथा दीव एवं
दावर और नगर द्वीप।

तार पता - "पेटेंटॉफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
गरुडती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा बिहारी राज्य
क्षेत्रों एवं संघ शासित क्षेत्र संझीगढ़।

तार पता - "पेटेंटॉफिस"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी 4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु,
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिविदि द्वीप।

तार पता - "पेटेंटॉफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)
मिजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अधिदेश क्षेत्र।

तार पता - "पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य भनादेश अथवा
बाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुरूपित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है।

Application for Patent filed at the Head Office 234/4,
Acharya Jagdish Bose Road, Calcutta-20.

The dates shown in the crecent bracked are the dated
claimed under section 175, of Paicni Act, 1970.

1266/Cnl/97. Genenech, Inc, "Hiv ' envelope polypeptides
and vaccine" (Convention No. 08/676,737 on
8-7-96 in U.S.A.).

1267/Cal/97. Faster Wheeler USA Correction, "CoViuH
vessd unbending device and support structure".
(Convention No. 08/683.814 on 19-7-96 in U.S.A.).

1268/Cal/97. Werner Grabhcr, "Ct>n and facilities for Its
production, filling and scaled closure".

1269/Cal/97. AQCO Limited, "Planocentric creep gear"
(Convention No. 9615703.7 on 26-7-96 in UK).

1270/rn/97. Thyssua Stahl AG, "Process for producing
groin oriented niHRnette ttecl sheeting". (Ct>n-
vsntion No, 19628136.9 on 12-7-96 in Germany).

mi/Cnl/97. Thywen Stuhl AG, "Process for produces
grainoriented electrical steel sheet". (Convention
No. 19628137, 7-24 on 12-7-96 in Germany).

1272/Cul/97. Johnson & Johnson Consumer Products, Inc.,
"Method for alterinjj hair (rov/th and hair pig-
mentation by apoptosis in the follttular papillae
and compositions therefore". (Convention No.
60/021,629 on 12-6-96 & on 25-6-97 in USA).

1273/Cal/97. Comalco Aluminium Limited, "Process, for
preparation of 6XXX series aluminium alloy"
(Convention No. PO 0847 on 4-7-96 in Australia).

1274/Cal/97. Alza Corporation, "Non-Aqueous polar ap-
rotic peptide formulations". (Convention No. 60/
022,699 on 3-7-96 in U. S. A.).

07-07-1997

1275/Cnl/97. Mitsui Petrochemical Industries, Ltd., "Process
for producing aromatic carbozlyic acids" (Con-
vention No, 1R3886/1996 on 12-7-96 in Japan).

1276/Crtl/97. Siemens Aktiengesellschaft, "Lighting device
for signalling, designating or marking".

1277/Cal/J>7> Siemens AiJiengesellschaft, "Lighting . device
for signalling, designating or marking".

1278/Cal/97. Siemens Aktiengesellschaft, "Lighting device
for signalling on as well as designating and mark*
ing traffic areas in airports".

1279/Cftl/97. Siemens Aktiengesellschaft, "Lighting device for airports in pajtkulav a flush mnkrkr Hffit".

1280/Cul/97. Siemens Aktiengesellschaft, "Process automation system" (Convention No. 19627464.8 on 8-7-96 in Germany). >

1231/Cal/97. Siemens Aktiengesellschaft, "Chip ciyd and method for its manufacture". (Convention No. 19627827.9 on 10-7-96 in Germany).

1282/Ca/97. Babcock-Hilachi Kabushiki Kaisha, "Combiis-tioo, apparatus with the earne".

(Convention No,	Date	Country
08-190737	19-07-96	Japan
09-025637	07-02-97	Japan
09-025638	07-02-97	Japan
09-025640	07-02-97	Japan
09-027055	10-02-97	Japan)

1283/Cid/97. Lngdhanl Coij-jintion, "A method lor amoy-ing arsenic from aqueous systems containing competingkras" (Convention No. 08/(591,639 on 02-08-96 in USA)-

08-07-1997

1284/Col/97. Daimler-Ben/, Aerospace Airbus GmbH, "Arrangement for the recongniton* of sweeping or distrubing radiation". (Convention No. 196289181 on 18-7-96 in Germany).

1285/Cal/97. Siemens Aktiengesellschaft, "Method for inten-sity gauging of optical SCUOIK for hieaswing pcyiodienUy fiuL-uiting dectricnl or magnetic field intensities". (Convention No. 19627633.0 on 9-7-96 in Germany).

1286/Cal/97. Engelhard Corporation, "figment compost tions" (Convention No. 08/689,177 on 6-8-96 in U.S.A.).

1287/Cal/97. Thysdii Stahl Ag. "Hot'strip made from steel and a process for its production". (Convention No. 19628135.0 on 12-7-96 & 19719546.6 on 9-5-97 in Germany).

1288/Cal/97. Owens Corning, "Mineral fiber compositions" (Convention No. 08/741,849 on 31-10-96 & 08/778,419 on 31-12-96 in U.S.A.).

1289/Cal/97. 1. General Electric Company, ind 2. Ilia Inter-national JId., "A method for the decomposition of dicumylperoxide". (Divided out of No. 290/Cal/93 antidaled »o 20-05-^3).

09-07-1997

1290/Cal/97. Aptargioup, Inc., "One-Piece dispensing system and method for making same", i Convention No. 08/680,251 on 11-07-96 in U.S.A.).

1291/Cal/97. Patjues Bio SyMem B. V., "Sulphur reducing bacterium and its vise in biological desulphurisa-tion processes".

1292/Cal/97. Edward Mendeil Co., Inc.. "Sustained release matrix for high-dose insoluble drugs".

1293/O1/97. 1. Chandi Duttu Siujht 2. Steel Authority of India Ltd., "An improved process for producing ferritic stainless steel hot band through high tem-perature continuous annealing".

1294/Cal/97. Eaton Corporation, "Control module" (Conven-tion No, 08/679,879 on 15-07-1996 in U.S.)

1295/Cal/97. Eaton Corporation, "Transmission shaft and method for making same" (Convention No, 695, 116 on 5-8-96 in U.S.)

1296/Cal/97. Eaton Corporation, "Transmission inertia biake with self energizing", (Convention No. 681,255 on 22-7-96 in U.S.A.).

1297/CR1/97. Siemens Aktiengesellschaft, "Portable data trans-mission Lnit and Listening element". (Convention No. 19629086.4 on J8-7-96 in Germany).

1298/Cal/97. Samsung Electronics Co, Ltd., "Erbium doped optical fibre amplified for automatically tracing and Altering wavelength of transmitted light and its operation method". (Convention No. 32235/1996 on 1-8-96 in Korea).

1299/Cal/97. Deguss;¹ Akliengesellschaft, "Mixture of org;i-nosilanepoiysulphanes and a process for the production of rubber compounds containing these mixture*.". (Convention No. 196281 904.1 om 18-7-96 & 197 02046.1 on 22-1-1997 in DE).

1300/Cal/97. Sridhar Kota, "Compliant force distribution arrangement for window wiper" (Convention No. 08/678, (W9 on 10-7-96 in U.S.A.)

130i/Cal/97. Samsung Electronics Co, Ltd. "Apparatus for stabilizing' cut-off frequency min;] a u-ansconduc-tance" (Convention No. 96-28195 on 12-7-96 in' Republic of Korea).

1302/Cal/97. Kukjl Jnudstries Co. Ltd, "An apparatus for eliminating sludge in pipe".

10-7-1997

1303/Cal/97. Klingcr Ag., "Sealing ring for a shut-off valve".

i304/Cal/97. PhilHps Petroleum Company, "Gitalyit system and pioccs.s for producing a polymer", (C'onven-tion No, 08/682 223 on 17-7-96 in U.S.A.).

1305/Cal/97. Hocchst Akliengeitellschaft, "Novel light stabi-lizcrs based on sterically hindered aminen" (Con-vention No. 19631244.2 on 2-^96 jp Germany).

I306/Cnl/97. Emitec Gesellschaft fur 'Emissionatechnologie MBH, Device for conducting an exhaust gas mass flow and/or for receiving a catalytic convener sup-porting-body". (Convention No, 29612758,2 on 24-7-96 in Germany).

1307/Cal/97. Matsushita Electric Industrial Co. Ltd., "Dis-assembling method of electronic appliance and dis-assembling apparatus thcieof".

Country, Date & Convention No.

JapaD	30-07-1996	8-199932
Japan	30-07-1996	8-199933
Japan	06-09-1996	8-236337
Japan	26-09-1997	8-254131
Japan	03-03-1997	9-047523
Japan	08-03-1997	9-051335
Japan.	13-03-1997	9-058920
Japan	21-03-1997	9-067650

1308/Cal/97. New Technologies (Sa-Ysy) Ltd., "Apparatus and method for controlling the contractility of muscles" (Convention No. 60/026, 392 on 16-9-96 in U.S.A.)

1309/Cal/97. New Technologies (Sa-Ysy) Ltd., "Apparatus method for reversibly blocking the muscle activity of various muscle's" (Conv&ntlon No. 60/026, 392 on 16-9-96 in U.S.A.)

1310/Cal/97. Ehih-Chiug Hsieh, "Wronch and socket set".

1311/Cal/97. New Technologies (Sa-Ysy) Ltd., "Diug-Devicc combination for controlling toe contractility of musGleV. (Convention No. 60/026,392 on 16-9 90 in U.S.A.)

11-07-1997

COMPLETE SPECIFICATION ACCEPTED

- 1312/Cal/97. Glaxo Group Limited, "Heterocyclic compounds" (Convention No. 961-1763.2 on 13-7-96 & 9625492.5 on 7-12-96 in United Kingdom).
- 1313/Cal/97- Glaxo Group Limited, "Novel heterocyclic compounds" (Convention No. 1614756.6 on 13-7-96 & 9625495.8 on 7-12-96 in United Kingdom).
- 1314/Cal/97, Glaxo Group Limited, "New heterocyclic compounds" (Convention No. 1614751.K on 13-7-96 & 9625458.6 on 7-12-96 in United Kingdom).
- 1315/Cal/97. Technological Resources Pty. Ltd., "A top injection lance" (Convention No. PO 0959 on 12-7-96 in Australia).
- 1316/Cal/97. Franz Plusser Bahnbaumaschinen-lustriergesellschaft m.b.h. of Austria, "A track maintenance machine for excavating ballast bed material" (Convention No. A 1469 on 14-8-96 in Austria).
- 1317/Cal/97. Knuerr-Mechanik Fur Die Elektronik Akiengesellschaft, "Support system for workplace furniture" (Convention No. 29612106.1 on 11-7-96 in Germany).
- 1318/Cal/97. Krone Aktiengesellschaft, "Connection element" (Convention No. 19642445.3 on 15-10-96 in Germany).
- 1319/Cal/96. Matsushita Electric Industrial Co. Ltd., "A pump device for washing machine or alike" (Convention No. 8-1K4575 on 15-7-96 in Japan).

14-07-1997

- 1320/Cal/97, Shinichi Beppu, "Thong type sandal",
- 1321/Cal/97. Acciai Speciali Terni S.F.A., "A method for the continuous casting of thin metal products, and apparatus for carrying out the same" (Convention No. RM96A000506 on 16-7-96 in Italy).
- 1322/Cal/97. Matsushita Electric Industrial Co. Ltd., "Washing Machine" (Convention No. 8-18457S on 15-7-96 in Japan).
- 1323/01/97. Samsung Electronics Co. Ltd., "Dual band antenna" (Convention No. 639/1997 on 13-1-97 in Korea).
- 1324/Cal/97. General Electric Company, "Method and apparatus for modulating X-Ray tube current" (Convention No. 08/706, 613 on 5-9-96 in U.S.A.).
- 1325/Cal/97. Partho Datta, "Glass sheet with packing member".
- 1326/Cal/97. 1. Helmut Bucher 2. Helmut Schulz. 3. Georg Wendelin. "Filter apparatus for liquids containing impurities" (Convention No. 2132/96 on 5-12-96 in Austria).

Alteration of Date

179082 (694/Del/90)	filed	on 10-7-1990
179083 (708/Del/90)	filed	on 12-7-90
179084 (600/Del/87)	filed	on 4-9-1990
179086 (829/Del/91)	filed	on 6-9-1991
179098 U.(9/Del/H7)	filed	on 29-5-1990
179099 (672/Del/90)	filed	on 13-6-1990
179100 (581/Del/JO)-	filed	on 14-6-1990
		Ante dated to 24-8-1987
		Ante dated to 25-8-1987
		Ante dated to 15-7-1987
		Ante dated to 17-8-1988
		Ante dated to 9-4-1987
		Ante dated to 1-6-1987

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patent Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of the date as prescribed in Rule 36 of the Patent Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the patent office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs-2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बंधित आवेदन में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसे अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप है।"

स्वीकृत (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की अंकिता अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरंत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

I⁷⁰W2

Int. CL : H04N 3/22.

A VIDEO DISPLAY DEFLECTION APPARATUS.

Applicant : THOMSON CONSUMER ELECTRONICS
INC. OF 600 NORTH SHERMAN DRIVE, INDIANAPOLIS, INDIANA 46201 U.S.A.

inventors :

- (1) KARL RUDOLF *h*
- (2) JAMES ALBERT WILBER,
- (3) ENRIOUE. RODRIOUEZ-CAVAZOS..

Application No. 85/Cal/93 filed on KMI2-43.

Appropriate Office for Opposition Proceedings (Rule
Patent Rule 1972) Patent Office Calcutta.

1 Claims

A video display deflection apparatus, comprising a cathode ray tube (49 Fig. 1c.)

a deflection circuit responsive to" a sawtooth signal (VRAMP) and coupled to a deflection winding (Y) that is mounted on a cathode ray tube to form a D.C. coupled deflection circuit, with a sawtooth signal for generating a deflection current in said deflection winding at a magnitude that is determined in accordance with said sawtooth signal to form a raster in a screen of said cathode ray tube :

means (52) for generating a raster centering control signal (output of 53) that is adjustable to provide for raster centering adjustment;

means (50) for generating a raster height control signal that is adjustable to provide for raster height adjustment; characterized by:

a sawtooth signal generator (10U) responsive to said raster centering and raster height control signals for generating said sawtooth signal such that the adjustment of said raster height control signal does not substantially affect raster centering adjustment.

"Reference has been directed, in pursuance of Section 1-S(2) of the Patent Act, 1970 to the specification filed in pursuance of application No. 56/Ca/93".

"Reference has been directed, in pursuance of Section 18(2) of the Patents Act, 1970, to the specification filed in pursuance of application no. 75/Cal/93."

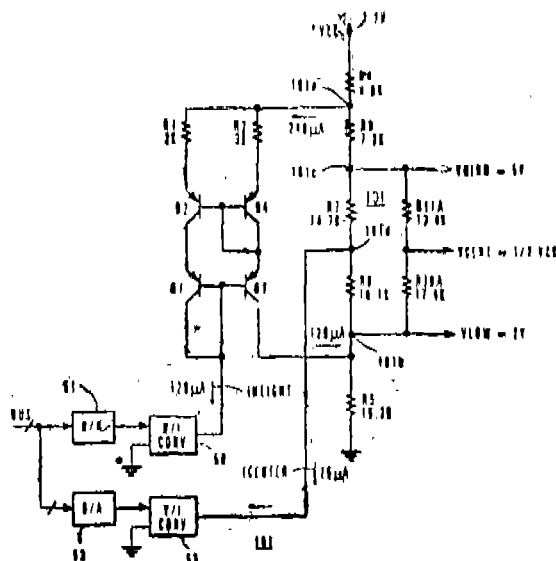
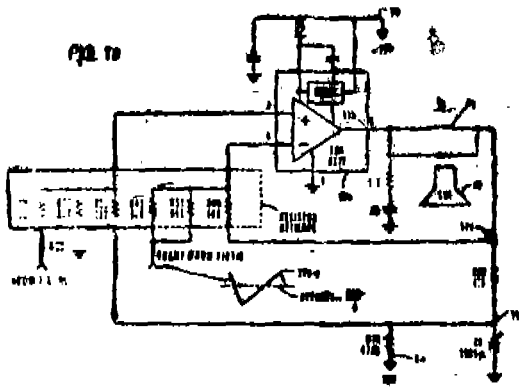


Fig. 1 b



(Compl. Specn. 13 pages;

Drgs. 4 sheets.)

Cl. : B65D 05/32

179073

Int. Cl. : 23E.

PIPE UP TRAY FOR THE TRANSPORTATION OF GOODS AND THE METHOD OF ITS MANUFACTURE.

Applicant : VIDECAÏT, S.A. OF 314H6 IBIRICU DE EGUES (NAVARRA), SPAIN.

Inventor : FATHJMA MARCH VILA.

Application No. 307/Cal/93 filed on 01st June, 19H.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

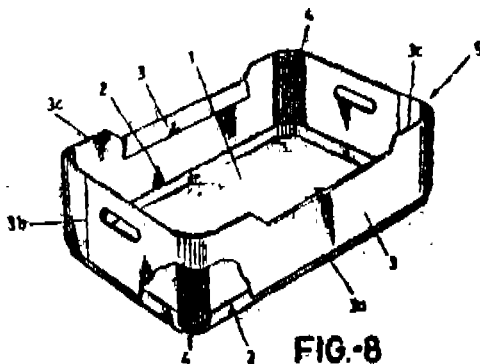
11 Claims

A pile-up tray for transportation of goods and in particular perishable goods such as fruit and vegetables, said tray comprising :

a cask of bottom (1, 11) forming the bottom of the tray, said cask being made of compact cardboard and having marginal flanges (2, 14) on its periphery extending from the bottom;

side walls (3, 16, 17) upstanding from the bottom of the cask, said side walls being made of compact cardboard and attached to the outer sides of marginal flanges; the cast and the side walls being separate pieces, and being formed by five pieces, such that one of said pieces forms the cask or bottom (11) of the tray, two of the pieces form the longer opposite side walls (16) of the tray, and the other two pieces form the shorter opposite side walls (17) of the tray;

said pieces being attached to one another by glueing; each longer side piece (16) being provided with folding wings (20) extending at its opposite ends from folding wing (20) extending its opposite ends from folding lines (19) transverse to the piece, said folding wings (20) being superposed over and attached to the shorter side pieces (17) by glueing to cover the shorter side pieces (17) forming the shorter sides of the tray totally; and each shorter side piece being provided with foldable wings (21) at its two ends extending from folding lines transverse to the said piece, said foldable wings being superposed and tilted to the ends of the longer side piece*.



(Compl. Specn. 29 pages;

Drgs. 15 Sheets.)

Cl. : 16BO

||yo/4

Int. Cl. : K01F 9/00.

SIGNALLING MEANS.

Applicant : ASTUCIA-SOCIEDADE DE DESENVOLVIMENTO DE PATENTES, LDA. OF AVENIDA ARRIAGA, 30-20F 900 HUNCHAL, MAPEIRA,

Inventors : MARTIN EDWARD DICKS.

Application No. 345/Cal/1993 filed on 21st June 1993.

Convention Nos. 9214474.0, 9305080.5 on 8-7-92 & 12-03-93 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

12 Claims

Signalling means (1, 11) comprising by at least one means (7) to receive light, and at least one means (C3) to receive power from at least one means (7) able to be charged by light from a vehicle headlight, and a visible signal means (8; 13, 15) connected to and activated by said chargeable means (7, C3) characterized in that on being charged, said chargeable means (7, C3) activates said signal means (8; 13, 15) for a discrete period of time after said headlight has ceased to illuminate said chargeable means (7, C3) and until said chargeable means (7, C3) has discharged.

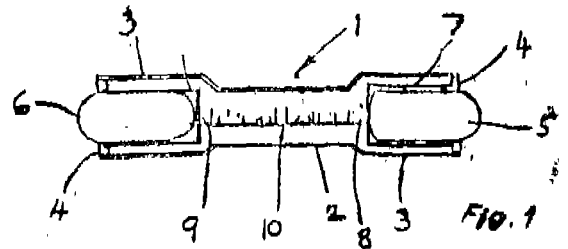


Fig. 2

(Compl. Specn. 22 Pages;

Drgs. 7 Sheets.)

U. : -OB

179075

Int. Cl. : B01J 31/40.

A PROCESS FOR PREPARING A SULFONE-CONTAINING MIXTURE HAVING A REDUCED CONCENTRATION OF AN ACID-SOLUBLE OIL.

Applicant : PHTLLIPS PETROLEUM COMPANY, OF THE STATE OF DELAWARE, U.S.A.

Inventors :

- (1) ALAN DAN EASTMAN,
- (2) ROBERT BRUCE ELDRIDGE,
- (3) RICHARD LEE ANDERSON,
- (4) DAVID PAUL MANN.

Application No. 434/Cal/1993 filed on 02nd August. 1993,

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

13 Claims

A process for preparing a sulfone-containing mixture suitable for use in the hydroalkylation of hydrocarbons which comprises treating a sulfone-containing mixture containing an acid-

Cl. 172C4

179077

Int. Cl. DfllH 5/88

"TOP APRON CRADLE" FOR SPINNING-FRAME DRAFTING EQUIPMENT.

Applicant : SKF TOOLMASHINEN-KOMPONKNTIIN GMBH OF LOEWENTORSTRASSE 68, D-70376 STUTTGART, GERMANY.

Inventors : (1) HEINZ MUELLER, (2) FRANZ FUCHS.

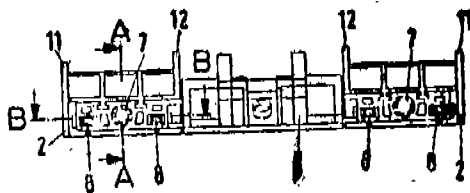
Application No. 532/Cal/1993, filed on 19th October 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

7 Claims

Top apron cindle for spinning-frame drafting equipment with an apron guide which uses the pressure of a spring to tension and guide the top apron and which is held on a central piece of the top apron cradle; characterized in that the aprons guide (2) with moulded journal (8) guided in grooves (9) in the central piece (1), and circular grooves (7) provided in the said apron guide (2) and in the central piece (1) engaging one another, and in which the said spring (6) is guided.

Fig.1



(Comp. Specn. 7 pages;

Drgs. 1 sheet)

Cl. : # 7 1

179078

Int. Cl. : K « T 3/S4

"INERTIAL BODY DRIVE MECHANISM."

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD., OF 6-2, OHTEMACHU 2-CHOME, CHIYODA-KU, TOKYO 100 JAPAN, A JAPANESE COMPANY.

Inventors : (1) HITOSHI SAITO. (2) KAZUOKI INO. (3) KENICHI KIMURA.

Application No. 76Q/Cal/1993; filed on 07-12-1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

10 Claims

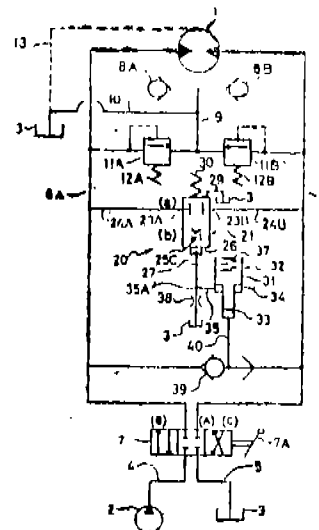
An inertial body drive mechanism comprising a hydraulic pressure source; a hydraulic motor (1) adapted to drive an inertial body by charging and discharging oil pressure supplied from said hydraulic pressure source; a switch valve (7) connected to said hydraulic motor (1) through first and second main conduits (6A, 6B) and switchable from a first position to a second position to supply oil pressure from said hydraulic pressure source to said hydraulic motor (1), blocking said supply of oil pressure to said hydraulic motor when returned to said neutral position; and a pressure control valve (39) interposed between said first and second main conduits (6A, 6B) at a position between said switch valve (7) and said hydraulic motor (1) to limit the maximum pressure in said first and second main conduits to a first predetermined control level; characterized in that said inertial body drive mechanism comprises :

a valve means (21) interposed between said first and second main conduits and having a spool (25) adapted to slide between an open position and a closed position for establishing or blocking communication between said first and second main conduits (6A, 6B) in combination with a

biasing means (30) urging said spool toward said closed position and an oil chamber (26) for sliding said spool (25) from said closed position toward said open position;

a pressurized oil supply means having an oil reservoir chamber (34) of variable volume in communication with said oil chamber (26) of said valve means (21) and adapted to supply oil in said oil reservoir chamber (34) to said oil chamber (26) of said valve means (21) in a pressurized state by operation of a high pressure selector valve (39) provided between said first and second main conduits (6A, 6B) when said pressure in either said first (6A) or said second (6B) main conduit, whichever is at a higher level, drops below a second predetermined control level lower than said first control level and

a flow resistant means (38) located within the length of an oil passage connecting either one of said oil reservoir chamber (34) of said pressurized oil supply means and said oil chamber (26) of said valve means (21) to said tank to impose throttle effects on discharge oil flows to said tank.



(Comp. Specn. 81 pages;

Drgs. 10 sheets)

Cl. 35 E

179079

Int. Cl. : C 04B 35/U2

"A NOVEL REFRACTORY FLAME-GUNNING COMPOSITION."

Applicant : MRS. SARBARI CHATTOPADHYAY, 40/7, DANESH SHAIRH LANE, HOWRAH-711 10 WEST BENGAL, INDIA.

Inventor : SWAPAN KUMAR CHATTOPADHYAY.

Application No. 797/Cal/93; filed on 20-12-1993.

Complete after provisional left on : 30-03-94.

Appropriate office for opposition proceeding (Rule 4, Patent Rule 1972). Patent Office, Calcutta.

18 Claim*

A novel refractory flame gunning composition for repairing, renovating and/or treating defective or damaged surfaces containing the following ingredients—

(a) a mixture composed of a refractory material, an additive and at least one bonding material such as herein described constituting 85—92% of the final composition and

(b) another mixture of finely divided metals, an alkali or alkaline nitrate and gun powder constituting 15—8% of the final composition and, if desired, incorporating therein reinforcement (s) for improving mechanical characteristics, the said ingredients and reinforcements being such as herein

described, wherein the said ingredients of the aforesaid mixtures are present in the following proportions by weight :

- (i) refractory material -4-84%
- (li) additive -1-85%
- (iii) bonding material' -2-8%¹
- (iv) metal(s) -2-8*
- (v) nitrate -1-2%
- (vi) gun powder -2-3% End
- tvii) carbon/charcoal -0-2%

optionally including in the composition suitable agents capable of burning over a prolonged period and, if desired, converting the composition in a slurry form for safe transportation.

(Conip. Specn. 24 pages;

Drg. Nil)

(Provn. Specn. 13 pages;

E*rgn. Nil)

Cl. : 32F 2(d), 55D2.

179080

Int. Q. ; C07C 317/32, C07C 143/828.

"IMPROVED PROCESS FOR MAKING SULFONYL ISOCYANATES."

Applicant : E.J. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, U.S.A.

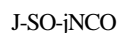
Inventors : (1) DAVID AKUETEH ADJEI,
(2) CHARLES T. BLAISDELL,

Application No. : 981/Cal/1995 filed on 21st August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Calcutta.

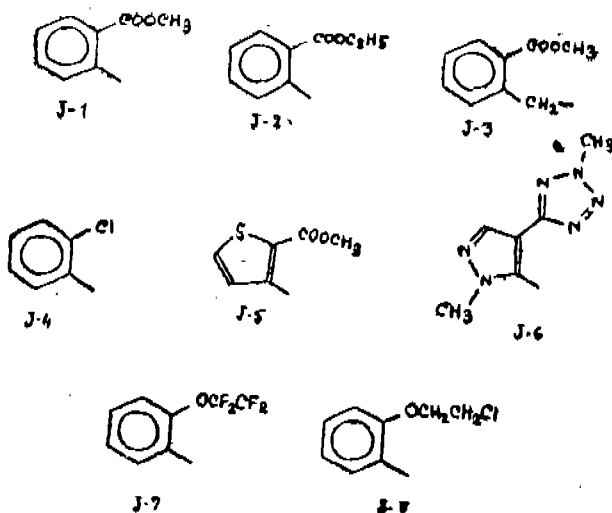
(4 Claims)

Is a process for making a compound of the formula



wherein

J is



by reacting a compound of the formula $I-SO_2jNH_2$ with phosgene in a reaction mixture comprising the compound $I-SO_2jNH_2$, phosgene and a solvent, such as herein described, the improvement comprising conducting the reaction in the presence of a molar excess of phosgene relative to the compound $I-SO_2jNH_2$ at temperature in the range of 100°C-200°C in the presence of catalyst such as herein described and by adding the compound $I-SO_2jNH_2$, in small increments or continuously in the reaction mixture,

Ind. Cl. : 206E, 133A

179081

Int. O. : H01J 3/00.

AN ANALOGUE CURRENT CONTROL SIGNAL TRANSMISSION SYSTEM FOR CONTROLLING STEPPER MOTORS,

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860).

Inventors : (1) SUDHANSHU MOHAN SHARMA, INDIA,

(2) HAUSILA SINGH, INDIA.

Kind of Application : Provisional-Complete.

Application for Patent No. : 683/Del/90 filed on 10-7-1990.

Complete left after provisional filed on 30-8-1990.

Ante dated to 19-4-1988.

Divisional to Patent Application No. 333/Dd/88 file* on 19-4-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 2)

An analog current control signal transmission system for controlling stepper motors which comprises a microprocessor based PTD, step & direction controller (1), being connected to a digital-to-analog converter (2), the said digital-to-analog converter (2) being connected to a voltage to current converter (3), the voltage to current converter (3) being connected in parallel through a two-wire transmission line (4) to a direction detector (5) and to a logic pulse generator (6), the outputs of both direction detector (5) and logic pulse generator (6) being connected to a logic sequence generator (7), the said logic sequence generator (7) being connected to a power drive circuit (8), which is being connected to the winding of a stepper motor (9).

Ref. : NIL,

Agent : NIL.

(Provisional Specification : 6 pages Drawing Sheet: Nil)

(Complete Specification : 8 pages Drawing Sheet: 1)

Ind. Cl. : 170 B, D

179082

Int. Cl. : CUD 13/00.

"A PROCESS FOR PRODUCING HIGH GRADE SOAP".

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : (1) EDWARD ALBERT TAVSS, U.S.A.
(2) EDWARD EIGEN, U.S.A.

Kind of Application : Complete.

Application for Patent No. : 694/Del/90 filed on 10-7-1990.

Ante dated to 24-8-1987.

Divisional to Patent No. 741/Del/87 filed on 24-8-1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 5)

A process for producing high grade soap which comprises hydrolyzing an emulsified mixture of a high melting, fat MWI as beef tallow and u. vegetable oil of the kind such as herein described, said fat being present in the weight ratio of 75% (o 90% and said vegetable oil in the weight ratio of 25% to 10% in an aqueous medium and a non-stereo-specific lipase enzyme at a temperature in the range of from 25 to 50°C and at a pH of 4- to 5.5, to produce; a mixture of fatty acids and glycerol, subjecting said mixture to agitation to obtain three layers, a top layer of fatty acids, a middle layer of lipase enzyme and a bottom layer of aqueous glycerin, separating said fatty acids from said three layers and neutralising with alkali to produce a soap free of undesirable additive.

Ref. : NIL.

Agent : REMFRY & SAGAR.

(Complete Specification : 1? pages .Drawing Sheet; Nil)

Ind. Cl. : 32 F(1) 179083,
Int. Cl.¹ : C07C 19/045.

AN OXYCHLORINATION PROCESS FOR THE PRODUCTION OF 1, 2-DICHLOROETHANp.

Applicant : THE GFON COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OE 6100 AK TREE BOULEVARD CLEVELAND, OHIO 44131, UNITED STATES OF AMERICA.

Inventors : (1) JAMAL SHAHAD EDEN, USA.

(2) JOSEPH ALLEN COWFER, USA.

Kind of Application : Complete.

Application for Patent No. 708/Del/9Q filed oft 12-7-90.

Ante dated to 25-8-1987.

Divisional to Patent. No. 752/Del/87 filed on 25-8-87.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An oxychlorination process for the production of 1,2-dichloro-ethene comprising (a) the reaction in the range of from 1.0 moles to 1.1 moles, of ethylene and in the range of from 0.5 mole to 0.9 mole of oxygen at 2.0 moles of HCl in the presence of (B) a catalyst composition comprising a high surface area (alumina support containing, deposited thereon in the range of from 4% to 17% by weight of a copper salt, in the range of from 0.25% to 2.3% by weight of an alkali metal salt or mixtures thereof and in the range of from 0.2% to 15% by weight of a rare earth metal salt or mixtures thereof, all weight based, upon the total weight of the catalyst composition, wherein the weight ratio of the rare earth metal salt to the alkali metal salt or alkalis is at least 0.8:1, and (C) at conditions in the range of from 190°C to 250°C, at a pressure of in the range of from atmospheric to 70 psig, and for a contact time in the range of 10 seconds to 50 seconds..

Rrf. : USP-3488398, 3308197, 3862996, 4339620, 4646821, 4123389, 4124534, 4239527, 4446249.

Agent : REMFRY & SAGAR.

(Comp. Specn. 37 pages;

Drwg. 1 sheet

Ind. Cl. : 117C

179084)

Int. Cl.¹ : E05B 19/00.

KEY ILADI! FOR USB VVIIH A ROTARY CYLINDER LOCK.

Applicant : WTDiN INNOVATION AB, A SWEDISH COMPANY, OF P.O. BOX 37, SV64400 TORSHALLA, SWEDEN.

Inventor : HO WJDEN, SWEDEN.

Kind of Application : Complete.

Application for Patent No. S80/Del/90 filed on 4-9-90.

Ante dated to 15-7-1987.

Divisional to Patent No. 600/Del/87 filed on 15-7-1987.

Appropriatt; Office for Opposition ProceediHE» (Rule 4/ Patents Rules 1972). Patent Office Branch, New Delhi-110005.

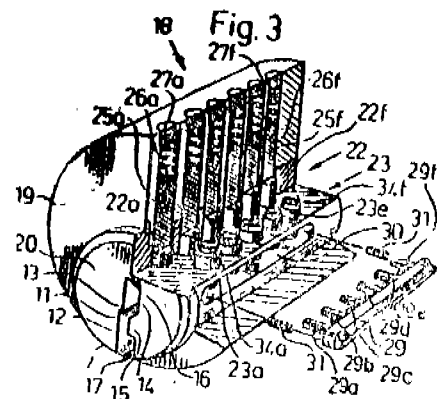
14 Claims

A key blade for use with a rotary cylinder lock, said key blade comprising of a longitudinal axis of insertion and; having an elongated senwall longitudinally extending wave-like code pattern (38) having concavity locations, wlu'ch are geometrically formed and longitudinally distributed for corresponding to a row of, elevationally and rotatably movable locking tumblers (23a-23e) of a cylinder type lock (18), characterised in that said code pattern (38) is formed in a side portion (5) of the blade, said code pattern having depth which extends only partially through said blade, and in that the longitudinal distribution of the central portion of said concavity locations (40-44) is irregular and differs from the longitudinal distribution of the axes of the locking tumblers of the associated lock to enable a specific rotational positioning of each locking tumbler (23a-23e) leaving a transversely projecting finger being located in a respective concavity location upon inserting the key blade into the lock.

Ref. : USA-203912C., 3499302,

DEU-7203658.

Agent : REMFRY & SAGAR.



(Comp. Specn. 21 pages;

Drwg. 4 sheets.)

Ind. a. : 32 F 3C

179083

Int. Cl.⁴ : CO 7C 27/00, 29/00

AN IMPROVED PROCESS FOR THE PRODUCTION OF A MIXTURE OF CYCLOHEXANONE AND CYCLO-HEXANOL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI 110091, INDIA.

Inventors: JALE SUDHAKAR REDDY, INDIA; SUBRAMANIAN SIVASANKER, INDIA; PAUL RATNASAMY, INDIA.

Kind of Application : Complete.

Application for Patent No. 1097/Dcl/90 filed on 7th Nov., 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An improved process for the production of a mixture of cyclohexanone and cyclohexanol which comprises reacting cyclohexanone with an aqueous solution of hydrogen peroxide in presence of a crystalline titanosilicate designated as TS-2 having the molecular formula: $X \text{ TiOs} \cdot (1-X) \text{ SiO}_2$ wherein X varies from 0.002 to 0.2 and characterized by x-ray diffraction pattern and infrared adsorption data as presented in Tables 1 & 2 as here in described at temperatures in the range of 60-150°C at autogeneous pressures for a period between 1 and 10 hours and recovering the mixture of cyclohexanone and cyclohexanol from the reaction products.

Ref. : Nil

Agent : Nil

(Compl. Specn. 11 pas*)

Drawing Sheets Nil

Ind. Cl : 40E

179086

Int. Cl.*: C07F 9/54

PROCESS FOR THE RECOVERY OF PHOSPHORUS COMPOUNDS FROM A MIXTURE OF HYDROGEN SULPHIDE AND PHOSPHORUS COMPOUNDS.

Applicant: THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 29400 LAKELAND BOULEVARD, WICKLIFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventor : FRANK MARIYA VAN LIER, U.S.A.

Kind of Application : Complete.

Application for Patent No. 829/Del/91 filed on 6-9-1991.

Ante dated to 17-8-1988.

Divisional to Patent No. 708/Del/88 filed on 11-8-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

17 Claims

A process for the recovery of phosphorus compounds from a mixture hydrogen sulphide and phosphorous compounds such as herein described of the General formula ;



wherein R^L and R^A are each aliphatic groups containing from 1 to 10 carbon atoms by the removal of hydrogen sulphide from said mixture, said process comprising preheating said mixture to a temperature of from 20°C and 115°C, and thereafter rapidly heating in a manner as herein before described said mixture to a temperature of from 80°C to 180°C for a period of time sufficient to separate substantially said hydrogen sulphide from said phosphorus compounds and recovering said phosphorus compounds,

Ref : Reference has been made to Indian Patent No. 175512 (708/Del/88).

Agent: Remfry & Sagar.

(Compl. Specn. 14 page)

Dmai. Sheet Nil)

Ind. Cl. : 32 F(sH & 55E)

179087

Int. CV : C 07 C 35/12

A 61 K 31/00

AN IMPROVED PROCESS FOR THE PREPARATION OF 1-MENTHOL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : LAXMI NARAIN MISRA, INDIA ; ATEEQUE AHMAD, INDIA ; RAGHUNATH SINGH THAKUR, INDIA.

Kind of Application : Complete..

Application for Patent No. 949/Del/91 filed on 01-10-91.

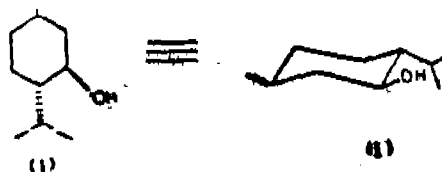
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claim*

An improved process for the preparation of 1-menthol from menthone which comprises mixing N, N-dimethyl formamide, sodium bicarbonate and demethylised oil (DMO) containing menthone at a temperature in the range of 105—110°C adding sodium dithionite in water to the resultant mixture and refluxing the mixture, cooling the refluxed mixture by adding cold water, extracting with solvent such as chloroform, ether, dichloromethane washing the extract with conventional alkali then washing with water and drying in vacuo to obtain 1-menthol.

Ref. : Nil

Agent : Nil



Compl. Specn. 7 pages

Drgn. 1 sheet

Ind. Cl. : 83A

179038

Int. Cl.* : A 23J 1/14

AN IMPROVED PROCESS FOR THE PREPARATION OF COCONUT CREAM FROM RIPENED COCONUT KERNEL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 186Q).

Inventors: CHAMY ARUMUGHAN, INDIA; CHANDRASEKHARAN BALACHANDRAN, INDIA; ANDIKANNU SUNDARESAN, INDIA.

Kind of Application : Provisional Complete.

Application for Patent No. 64/Del/M filed on 30-1-92.

Complete left after provisional specification on 31-3-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An improved process for the preparation of Coconut Cream from ripened coconut kernel which comprises;

(i) Splitting of the coconut, separating the white kernel, washing the deshelled kernel in water containing H2O2 upto 100 ppm

(ii) Blanching the washed kernel by heating with steam at a temperature in the range from 80—90 degree Celsius,

(Mi) Extracting coconut milk from the blanched kernels by conventional methods,

(iv) Adding the resultant coconut milk having 23 to 26% solid contents, into an additive mixture consisting of casein in the range from 1.0 to 1.5% polyoxyethylene sorbitan monooleate in the range from 0.2 to 0.25%, carboxy methyl cellulose-sodium salt of high viscosity in an amount from 0.1 to 0.2%, guar gum ranging from 0.1 to 0.2% and sugar in an amount ranging from 3 to 4% and remaining water to make 100%.

(v) Adjusting the pH of the resultant mixture around 6 using 6.25 N NaOH and stirring at a temperature in the range from 75—80 degree Celsius, and

(vi) Pasteurising the resultant mixture by conventional methods.

Ref.: Nil

Agent: Nil

Compl. Spetti. 18 pages

Dnms. Nil

tniSl. : 55Bi.E₄

17#>89

Int. Cl.* : A61K-9/22.

A METHOD OF PREPARING AN ORALLY ADMINIS-
TRABLE PHARMACEUTICAL DOSAGE FORM.

Applicant : JOHN RHODES, OF 25 NANTFAWR ROAD, IZYNCOED, CARDIFF, SOUTH OLAMORGAN, UNITED KINGDOM AND BRIAN KENNETH EVANS, OF 9 MEREVALE, THE COMMON, DINES POWIS, SOUTH GLAMORGAN, UNITED KINGDOM, BOTH BRITISH CITIZENS.

Inventors :

- (1) JOHN RHODES, BRITISH,
- (2) BRIAN KENNETH EVAN, BRITISH.

Kind of Application ; Complete.

Application for Patent No. 149/Del/92 filed on 21-2-1992
Convention date 22-2-91/9103795. 2/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A method of preparing an orally administrable pharmaceutical dosage form for selectively administering a drug selected from 5-aminosalicylic acid and pharmaceutically acceptable salts and esters thereof, topically active steroids and bismuth salts and complexes to the intestine comprising Coating a plurality of granules of said drug with a coating material soluble in the intestine and selected from the group comprising cellulose acetate phthalate, hydroxypropyl methyl cellulose phthalate, ethyl cellulose, polyvinyl acetate phthalate or anionic polymers; enclosing said coated granules in a capsule; and coating said capsule with the same or different coating material soluble in the intestine and selected from the group comprising cellulose phthalate, ethyl cellulose, polyvinyl acetate phthalate and anionic polymers such as hereinbefore described optionally in admixture with a neutral insoluble but permeable polymer such as hereinbefore described and/or conventional additives.

Ref. : Nil.

Agent : Reinfry & Sagar.

(Compl. Specn. 25 Pages;

Drg. 1 Sheet.)

Ind. Cl. : 49 C + E

179090

int. Cl.* : A 23 L 2/04

A 23 N 1/00

A 47 J 19/00

A DEVICE FOR THE PREPARATION OF A SOFTENED FRUIT OR VEGETABLE PRODUCT CONTAINING PULP DESTINED FOR JUICE AND PUREE EXTRACTION AND PROCESS THEREFOR.

Applicant : PRIMO BERTOCCHI, AN ITALIAN CITIZEN OF 8, VIA ARGONNE, 43100 PARMA, ITALY

Inventor : PRIMO BERTOCCHI, ITALY.

Kind of Application. Complete.

92. Application for Patent No. 240/Del/92 filed on date 17-03-

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

A device for the preparation of a softened fruit or vegetable product containing pulp destined for juices and puree extraction from fruits or vegetables comprising two shaped walls describing a cavity for the passage of the product to be treated, at least one of said walls being movable with respect to the other wall, said shaped walls having respective projections without sharp edges, shaped to subject the product to a sequence of stresses and impacts in rapid succession.

Ref. No. Nil.

Agent : Remfry & Sagar.

(Compl. Specn. U Pag«s;

Digs. 3 Sh«eti.j

Ind. Cl. : 88F

179091

Int. Cl.< ; B01 D 47/00.

An AQUEOUS ACID GAS SCRUBBING COMPOSITION.

Applicant : EXXON RESEARCH AND ENGINEERING CO., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA,

Inventors :

- (1) LARRY JOSEPH SHULIK,
- (2) GUIDO SARTORI,
- (3) WIN-SOW WINSTON HO,
- (4) WARREN ALAN THALER,
- (5) GEORGE ELMER MILLIMAN.

1097> Application for Patent No. 300/Del/87 filed on 9 April

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

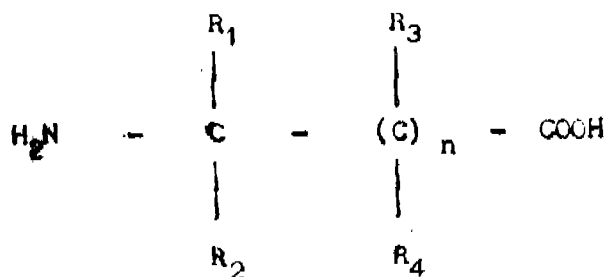
5 Claim'

An aqueous acid gas scrubbing composition comprising

.(a) from 20 to 40 wt. % of one or more alkali metal salts;

(b) from 2 to 15 wt. % of an amino compound selected from :

(i) One or more primary sterically hindered amino acids represented by the formulas :



where R₁ and R₂ are independently selected from CH₃, C₂H₅, and C₆H₅; R₃ and R₄ are independently hydrogen and CH₃; and n is 0, 2, or 3; and

(ii) 1-amino-cyclopentane, and

(c) water constituting the balance amount,

(Compl. Specn. 24 Pages;

Drgs. 1 Sheet.)

Ind. Cl. : 133A, 206E

179092

Int. Cl.⁴ : H02J 3/00

A TWO-WIRE DIGITAL CURRENT CONTROL SIGNAL TRANSMISSION SYSTEM FOR PRECISELY CONTROLLING REMOTELY LOCATED STEPPER MOTOR.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) SUDHANSHU MOHAN, SHARMA,
- (2) HAUSILA SINGH,
- (3) BHARAT SINGH.

Application for Patent No. 333/Del/88 filed on 19-4-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A two wire digital current control signal transmission system for precisely controlling remotely located stepper motor comprises a microprocessor (1) having plurality of controllers for PID direction, step & ramp control, voltage to current converter (3) being connected to the microprocessor through a high or low voltage generator (2) which generates high or low amplitude digital current signal as and when the high or low voltage is generated by voltage generator, the voltage to current converter being connected to a direction detector (5) and to a logic pulse detector (6) situated proximately to the remotely located stepper motor (9), the direction detector (5) and logic pulse detector (6) being connected to logic sequence generator (7) which generates required sequence to pulses to drive the stepper motor, the sequence generator (7) being connected to a power drive circuit (8), the power drive circuit being connected to the stepper motor (9) such that the rotor of the motor moves in steps in the desired direction for each digital current transmitted over the two wire transmission system.

(Compl. Specn. 8 Pages;

Drgs. 1 Sheet.)

Ind. O. : 32E

" « » 3

Jut. Cl.¹ : C08f, 12/08

A PROCESS FOR THE PREPARATION OF AN INJECTABLE COPOLYMER FOR USE AS A CONTRACEPTIVE BY A MALE.

Applicant : SUJOY KUMAR GUHA, AN INDIAN NATIONAL OF INDIA INSTITUTE OF TECHNOLOGY, DELHI, HAUZ KHAS, NEW DELHI-110016.

Inventors : SUJOY KUMAR GUHA.

Application for Patent No. 908/Del/89 filed on 6-10-1989. Post dated to 6-10-1990.

Complete left after Provisional filed on 5-4-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of an injectable copolymer for use as a contraceptive by a male comprising in copolymerizing styrene and maleic anhydride monomers to a polymer having molecular weight above 40,000 in the presence of nitrogen atmosphere in the ratio of 1 : 1 subjecting the polymerized product (Copolymer) to the step of irradiation, precipitating said copolymer and subjecting the same to the step of washing for the removal of traces of monomers and homopolymers, drying said copolymers and dissolving the same in a solvent in the amount of 40 to 70% by weight, filtering said solution and precipitating the filtrate, and washing and drying the precipitated copolymer so obtained for storing purposes,

(Prov. Specn. 5 Pages;

Drg. Sheet Nil.)

(Compl. Specn. 12 Pages;

Drg. Sheet Nil.)

Ind. Cl. : 170B, D

179094

Int. Cl.⁸ : CUD-3/386, 7/42

LIQUID DETERGENT COMPOSITION CONTAINING ENZYME STABILIZATION SYSTEM.

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors :

- (1) FRANCESCO DE BIZZACCARINI,
- (2) JEAN-POL BOUTIQUE,
- (3) CHRISTIAAN ARTHUR JACQUES KAMIEL THOEN.

Application for Patent No. 11/Del/90 filed on 4-1-1990. Conversion date 10-1-1989/U.K./S9-00525-O.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

Claims 12

An aqueous liquid detergent composition having a pH of at least 8.5 containing 5 to 60% by weight of an organic surfactant, a peroxygen compound, a detergent enzyme and optionally detergent additives, characterized in that the composition further comprising from 10 ppm to 10,000 ppm of magnesium ions as an enzyme stabilizing system.

(Compl. Specn. 20 Pages;

Drgs. Sheet Nil.)

Ind. Cl. : 39 P

179Q95

Int. Cl. : C 01 G 3/10

A PROCESS FOR THE PREPARATION OF COPPER SULPHATE DIRECTLY FROM ITS SULPHIDE ORES/CONCENTRATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-110001. INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) KULAMANT PARTDA,
- (2) SREEPADA BHANOJEE RAO.

Application for Putem No. 311/Del/90 filed on 27-03-90. Complete Left after Provisional Specification on 12-03-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of copper Sulphate directly from its sulphide ore/concentrates which comprises mixing powdered chalcopyrite ore/concentrate with manganese dioxide or naturally occurring manganese ore also in the powder form, slurring the mixture with dilute H₂SO₄ heating the mixture at temperature not exceeding 100°C with continuous stirring for a period of 1 to 5 hrs filtering the resulting mixture having copper & manganese sulphate separating and recovering copper sulphates from the filtrate by conventional methods.

(Prov. Specn. 3 Pages;

Drg. Sheet Nil.)

(Compl. Specn. 6 Pages;

Drg. Sheet Nil.)

Ind. Cl. : 32 F

179096

Int. Cl. : C08F 116/36, 216/36.

A PROCESS FOR THE SYNTHESIS OF (CO) POLYESTERS OF HYDROXYVALERIC ACID.

Applicant : MONSANTO COMPANY* A COMPANY INCORPORATED IN THE STATE OF DELAWARE, U.S.A., OF 800 NORTH LINDBERGH BOULEVARD, ST LOUIS MISSOURI 63167. UNITED STATES OF AMERICA,

Inventors :

- (1) AUSTAIR JAMES ANDERSON,
- (2) EDWIN ALFRED DA WES,
- (3) GEOFFERY WILUAM HAYWOOD DAVID BYROM.

Application for Patent No. 404/DW/90 filed on 25-4-1990 Convention Date 2-5-89/UK/890993.1, 4-10-89/UK/8922363.0.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the synthesis of (CO) polyester of hydroxyvaleric acid said copolyesters comprising hydroxybutyrate unit and hydroxyvalerate units or polyhydroxyvalerate homopolymer which comprises accumulating such copolyesters by aerobically cultivating a bacterium of at least one strain of bacterium selected from the group consisting of Corynebacterium dioxidans ATCC 21766, Corynebacterium hydrocarboxydans ATCC 21767, Nocardia lucida NCIB 10980, Rhodococcus sp. ATCC 19070 and Rhodococcus sp. NOMU 40126 having the characteristics of the kind such as hereinafter described under growth limitation conditions in an aqueous medium comprising hydroxyvalerate substrate component wherein;

the hydroxyvalerate component is in assimilable carbon compound metabolisable by Alcaligenes eutrophus NOB 11599 to polyhydroxybutyrate or valeric acid or a derivative thereof.

(Compl. Specn. 19 Pages;

Drg. Sheet Nil.)

Ind. Cl. : 72 A+C

179097

Int. Cl. : C 06 B 21/00,

A METHOD AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF AN OIL/WATER EMULSION FOR USE IN AN EXPLOSIVE COMPOSITION.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, A, BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Application for Patent No. M6/Del/90 filed on 29-05-90.

Convention Date : 16-06-81 / 8913871.1/UK

23-06-89 / R^CH507.2/UK

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A method for the continuous production of an oil/water emulsion for use in an explosive composition which method comprises continuously forming an emulsion by simultaneously and continuously mixing a continuous phase component of the kind as herein defined and an immiscible aqueous discontinuous phase component of the kind as herein defined by introducing the one to the other, wherein said step of continuously mixing comprises introducing a flowing liquid stream of the immiscible discontinuous phase component into said continuous phase as a turbulent jet by causing a constriction and disrupting said flowing liquid, stream of said immiscible discontinuous phase to form a turbulent jet of fine droplets of a predetermined size and flow pattern and causing said turbulent jet of droplets to emerge from the constriction at a rate sufficient to entrain and mix with a sufficient quantity of flowing continuous phase component simultaneously delivered to a point at or near the emergent turbulent jet of fine droplets of the immiscible discontinuous phase in order to achieve instantaneous formation and stabilisation of an emulsion of said immiscible discontinuous phase fine droplets and said continuous phase, characterised in that said emulsion is subjected to a further step of mixing under shear for enhanced mixing of the emulsion to effect continuous incorporation of fuel phase to produce a more refined or homogeneous emulsion suitable for use as the basis for an explosive system,

(Compl. Specn. 12 Pages;

13 fig. 2 Sheets.)

Ind. Cl. : 32F(2C)

179098

Int. Cl. : C10M 149/22

"A PROCESS FOR PREPARING A LUBRICANT ADDITIVE,"

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BLVD. WICKLIFFE, OHIO 44092 U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A.

Inventor : PAUL ERNEST ADAMS.

Application for Patent No. 51R/Del/P0 filed on 29-5-1990.

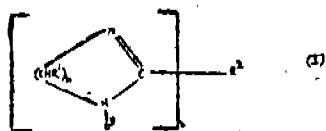
Ante dated to 27-3-1987.

Divisional to Patent No. 269/Del/87 filed on 27-3-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for preparing a lubricant additive comprising reacting; (A) a coupled polyamine of the formula;



wherein n is 2-7; R is hydrocarbyl such as hereinbefore described; R' and each R'' independently is hydrogen, alkyl, (Y—NR''R''', wherein X is 1 to 100, Y is alkylene of 1 to 7 carbon atoms or a heterocyclic ring containing cycloalkylene of 1 to 10 carbon atoms. R' is hydrogen, alkyl or NHBR'' (NR''R''')_y wherein R'' is an alkylene group of 1 to 10 carbon atoms R'' is independently H, alkyl or R''' and y is 1 to 6, R' is hydrogen or hydrocarbyl or (I); and u is 2 to 6; and

(B) at least one hydrocarbyl carboxylic acid or derivative thereof or at least one hydrocarbyl phenolic reactant or mixture thereof.

(Complete Specification 29 Pages; Drawing Sheet Nil)

Ind. Cl. : 40H 179099
Int. Cl. : B01D, 15/08

'A PROCESS FOR REMOVING CO₂ AND OTHER ACID GASES FROM A NORMALLY GASEOUS MIXTURE.'

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P.O. BOX 390, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventors : LARRY JOSEPH SHULIK, GUIDO SARTORI, VINSOW WINSTON HO, WARREN ALAN THALER, GEORGE ELMER MILLIMAN,

Application for patent No, 572/Del/90 filed on 13-6-1990.

Ante dated to 9-44987.

Divisional to Patent No. 300/Del/97 filed on 9-44987.

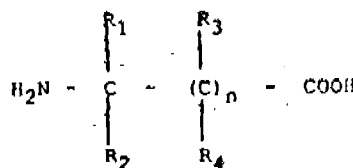
Appropriate office/ for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for removing CO₂ and other acid gases from a normally gaseous mixture, which process comprises :

- contacting the normally gaseous mixture under conventional absorption conditions with an aqueous scrubbing solution and
- desorbing at least a portion of the absorbed CO₂ from the solution wherein said aqueous scrubbing solution comprises
 - from 20 to 40% by wt, of one or more alkali metal salts;
 - from 2 to 15% by wt. of an amino compound selected from

- a primary amine having a hundred amino acid represented by this formula



where R1 and R2 are independently selected from CH₃, C₂H₅, and OH; R3 and R4 are independently hydrogen and CH₃; and n is 0, 2, or 3; and

(b) 1-amino- cyclopentane;

(III) water, constituting of the balance amount.

(Complete Specification 26 Pages; Drawing Sheet 1)

Ind. Cl. : 143 DiD* 179100
Int. Cl. : B65B 29/00

"A PACKING ARTICLE."

Applicant : EMC-TAMACO A/S, A DANISH BODY CORPORATE, OF JENS JUULSVEJ 13, DK-8260 VIBY J. DENMARK.

Inventors : FLEMMING KROMAN, ERIK MADSEN.

Application for Patent No, S51/Del/90 filed on 14-6-1990.

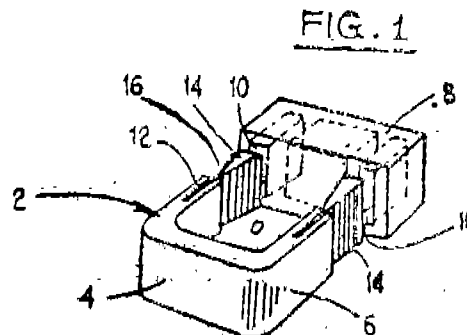
Ante dated to 1-6-1987.

Divisional to Patent No. 464/Del/87 filed on 1-6-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A packing article comprising a bag or hose shaped sheet packing material which is closed at least at one end by an annular non-metallic binder (2) clamped about a constriction (18) of the material wherein the binder comprises two opposed clamping portions (48) and opposed connector portions (6) therebetween, the clamping portions being arranged so as to face each other with substantially flat, smooth and parallel surfaces, the clamping portions (4, 8) being held by said connector portions (6) so as to firmly clamp the constriction (18) in a configuration, by which the cross sectional, dimension of the constriction normal to the said surfaces is noticeably smaller than the width dimension of the constriction.



(Complete Specification 30 Pages; Drawing Sheets 3)

Ind. Q. : 206 E

179X01

Int. Cl. : H 04 B 7/26

"A TELECOMMUNICATIONS SYSTEM."

Applicant : TELSTRA CORPORATION LIMITED. OF 242 EXHIBITION STREET, MELBOURNE 3000, VICTORIA, AUSTRALIA.

Inventors : 1. ANDREW LOUIS MARTIN 2. NORMAN WILLIAM MCLEOD,

Application No. 542/Cal/1992 filed on 30th July, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta,

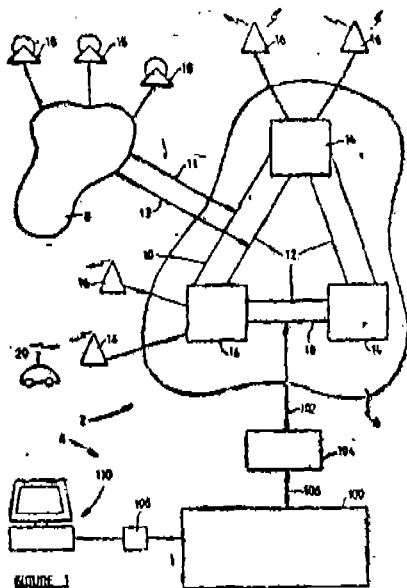
13 Claim*

Apparatus for use with a telecommunications system including a radio telephone which, upon a call being initiated from said radio telephone, transmits first data which is indicative of a characteristic unique to said radio telephone, and at least one exchange which receives said first data transmitted from the radio telephone through the apparatus including means for determining membership of said radio telephone to a controlled group on the basis of the received first data and forwarding signalling data to a call processing means if said radio telephone is a member of the controlled group, the call processing means comprising ;

stored control data corresponding to members of said controlled group;

accessing means for accessing the control data corresponding to said radio telephone on the basis of the received signalling data; and

control means to control at least one characteristic of the call in accordance with said control data,



(Compl. Specn. : 29 pages;

Drgns. : 8 Sheets)

Q. : 164 C+201 D

179102

Int. Q> : C 02 F 1/72

"A METHOD FOR PREPARING A NON-CORROSIVE LIQUID WASTE SUCH AS A WASTEWATER."

"A METHOD FOR PREPARING A NON-CORROSIVE SYSTEMS, INC. OF 301 WEST MILITARY ROAD ROTHSCHILD, WISCONSIN 54474 UNITED STATES OF AMERICA.

Inventors : 1. MARK ALLEN CLARK 2. DAVID ALAN BEULA,

Application No. 643/Cal/1992 filed on 4th September, 1992.

Appropriate office for opposition proceeding! (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

S Claims

A method for preparing a non-corrosive liquid waste such as waste water comprising mixing liquid waste with a pressurized oxygen-containing gas to form a feed mixture, subjecting said feed mixture to wet oxidation at elevated temperature by passing it through a system comprising an influent conduit, a first heat exchange means, a reactor vessel, a second heat exchange means and an effluent conduit, characterized in that an acid or alkali is added to said feed liquid waste until the pH in the system is within a selected pH operating range (2-11) depending on the nature of materials used in machinery in which corrosion of the system is minimized.

(Compl. Specn. 12 pages;

Drg's. 2 Sheets)

Cl. : 89

179103

Int. Cl.* : G 01 B 5/02, 5/18

"CLAMPING ASSEMBLY FOR MEASURING INSTRUMENT."

Applicant : MITUTOYO CORPORATION, OF 31-19, SHIBA 5-CHOME MINATO-KU, TOKYO, JAPAN.

Inventors : 1. SHINGO NISHINA 2. TAMIO SUZUKI 3. KAZUHIKO KIMURA.

Application No. S-03/Cal/1992 filed on 17th December, 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta,

9 Claims

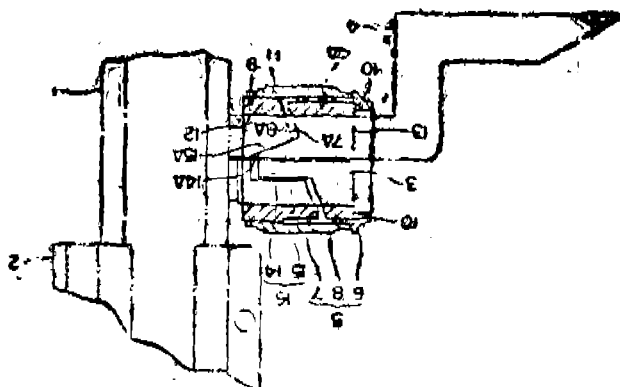
A clamping assembly (5) for securing a probe (4) to a part (3) of a measuring instrument comprising :

a clamp holder (7) of cylindrical shape provided with a male screw (11) on its outer periphery and an insertion hole (12) extending through said clamp holder for insertion of said probe and said part of said measuring instrument;

a piece clamp (8) having an insertion hole (13) extending therethrough for insertion of said probe and said part of said measuring instrument;

a nut clamp (6) having therein a female screw (9) matching with said male screw (11) of said clamp holder, and provided with a connection part (10) for moving said piece clamp axially on screwing said nut clamp into said clamp holder; and

guide means (14, 15) for moving said piece clamp at right angle to the central axis of said clamp holder on movement of said piece clamp by said nut clamp.



(Compl. Specn. : 14 Pages;

Drgns. : 8 Sheets)

OJ. : 108 Bi

mi(M

Cl- 1 201 A

179103

In(; Cl.¹ ; C 22 R 5/H

Int. Cl. : C02 F 1/72

"A PROCESS >OR PRODUCING REDUCED FINE-GRAIN IRON OXIDE MATERIAL."

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF RJ2UTKRWEG 14, D-6000, FRANKFURT AM MAIN, GFRMANY.

liivenfoi : FRIT/ ROSE.

ApplicHiion No. 16/CH1/1993 filed on 12th January, 195>3.

Appropriate Office for Opposition Proceedingi (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

9 Claims

A process for producing reduced flue—grain iron oxide material by a treatment with a gas under pressure In a series Of connected fluidlzed toed reactors which includes at leai* a first fluidized bed reactor into which a reducing gas Is fed antf a last fluidized bed reactor downstream of the first fluidized bed reactor in the direction of the gas flow into which the fine Brained iron oxide-containing materials are fed, contrprising the steps of :

(a) cracking hydrocarbons by steam reforming to produce B fresh reducing gm containing CO and He;

(b) feeding a reducing gas to a first of said fluidized bed reactors as a fluidizing gas to obtain a gaseous effluent containing dust;

(c) dednrting the gasoous effluent containing dust from said first fluidrted b«J reactor and then feeding lhc deducted gaseous effluent is a fluidizinj fias to at least one farther flaldzed bed reactor above tho nozzle bottom thereof. In said series downstream of the first fluidiwd bed to obtain g piweous effluent containing dust COa and H«O;

(d) dedustinj a gaseous effluent containing dust, COt, and RiO from a last of said series of connected fluidized bed reactori in said series downstream of the first and any other fluidized beds and subsequently treating said deducted gaiepiui effluent containing COa and HJO from said latt reactor In a scmbber—cooler to remove substantially all HiO and any residual dust and subsequently treating said HaO removed gaseous effluent in a COa- removing scrubber to remove substantially all COo;

(e) reheating said gas wherein residual dust and sustantiaUy all IfcO and COa are removed and recycling the reheated g⁸ⁿ¹ as a recycle gas and feeding said recycle ga» at fluidizlng gas according to step fb) into the first of "said fluidLzed bed reactors:

(f) prhcating the iron oxide-containing materials and feeding preheated iroa oxide-containing materials to tho last of said fluidized bed reactors, the reduction temperature range is 600—900°C; and

(g) feeding the freslj reducing sas produced in step (a) to at least one of said fluidized bed rectoris.

"PROCESS FOR TREATING A CONC"iin'i RATED WASTE WATER. IN A ffilH OXY^FN CONTENT GAS WET OXIDATION SYSTEM."

Applicant : /JMPKO PASSAVANJ hNVR(.)NJIENTAL SYSTEMS, INC, OF 301 WEST MU.TrARV ROAD, ROTHSCILn, WISCONSIN 51174 ITJiTFO STATES OF AMERICA.

Inventors : J. BRUCE LEE RRANDFiNEUr.G,
2. RICHARD WILLIAM LEHMANN,
3 GENE WALTER MUELLER,
4. KENNETH PAUL KECKLER.

AppUcaUon No. 153/Cal/19S>3 filed on 15th March, 1993.

Appropriate office for oppogition proceedings (Rule 4, Pfhtents Rule, 1972) Patent Office, Calcutta.

7 Clfting

A process for treating a concentrated wastewater in a high oxygen content gas wet oxidation system, to separate the wastewater Into an oxidized liquid phase effluent and a non-condensed off gas phase, by subjecting in the said •y«tem the condensed wastewater in pressurized l'quid and gaseous phases, to mixing, heating, causing ihe same to flow through a reactor vessel, cooling thereof and lo deprwsnriMtion, prior to the said separation, comprising til* steps :

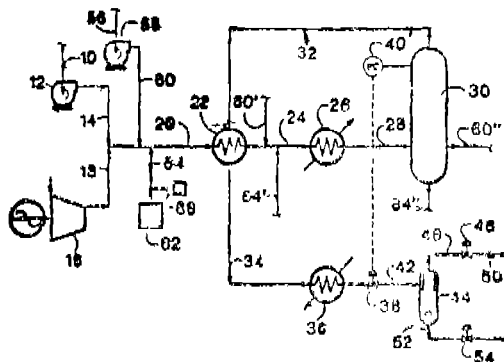
(ft) establishing a flow of startup water and air through said wet oxidation system i.t a first elevated operating temperature such us herein described, and a selected elevated system pressure;

(b) commencing a fractional flow of wastnwter and a fractional flow of high o::ygen content gas to Initiate wet oxidation;

(c) increasing the flow of wastewater Md the flow of high oxygen content gas to said system while simultaneously decreasing" by corresponding amount the flow of startup "water and the flow of air to said system to produce "an increase in said system operating temperature such ns herein described and to maintain offgas phase res'dujl oxygen concentration within u selected value raii^e ; and

(d) repeating step (c) until said flow of start up water and said flow of air to said system decrease to zero or to a 'selected non-zero v;iliic, und said flow of wautewater and said How <[high oxygen content gas to said system iicrcnse li> about 100 per cent of selected operating /lows, and said wtt oxidation system attains a second selected elevated operating temperature such as herein described, greater than said flrst elevated operating

temperature such as herein described, while maintaining said offgas phase residual oxygen concentration within said selected value range, whereby aaf0 and controlled start up of tlic high c*ygcu content gas wot oxidation »yatem h capable of being performed.



Compl. Specn. : 15 pages

Drgns : 1 sheet

CL : 1290

179106

Int. a.* : B23B 49/00; B 23 Q 16/00.

"MACHINING CENTRE."

Applicant t EMAG-MASCHINENVERTRIEBS - UND SERVICE GMBH, OF AUSTRASSE 24 OERMANY-7335 SALACH.

lavratpn ; 1. NORBERT HESSBRU QGKN,
2. HEINZ STEINBACH.

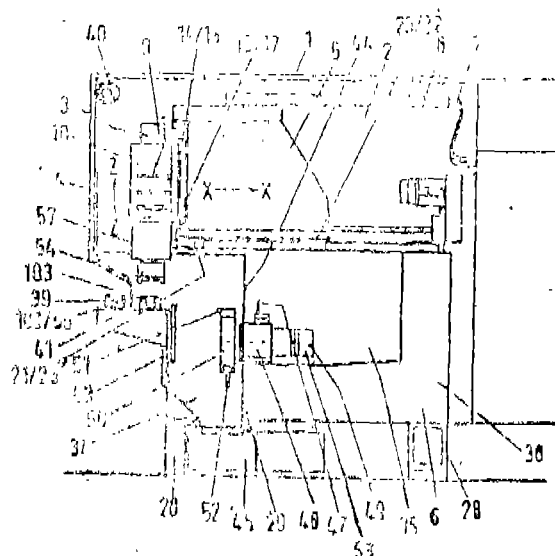
Application No. 2Q7/C»1/1993 flitd on 8th April, 1993.

Appropriate office for opposition proceedings 'Rule 4, Patent* Rule, 1972) Patent Office, Calcutta

48 Claims

, A machining center comprising n plurality of assemblies, each of said assemblies having a head stock unit and H machine base, and each machine base having a compound slide, guides for guiding a movement of the compound slide with respect to the machine base, a motor having spindle driven by said motor, said motor spindle being attached to the compound slide and being movable along a plurality of axes, thereby facilitating collection of swarf and coolant, and there being provided a housing aUached to the machine base, said housing being adapted to be mounted on the machine base as a module, for housing at least control elements find a power supply, said motor

spintUe being CNC-controlled and used for manipulating and driving workpieces or tools,



Compl. Specn. : 68 pages

Drgns : 34 sheets

Cl. : 194 C 2 (b)

179107

Int> CL-* : C03 B 11/06.

"METHOD OF MANUFACTURING A HOLLOW CONE AND DEVICE SUITABLE FOR CARRYING OUT THE METHOD CONE MANUFACTURE^ BY THE METHOD AND CATHODE RAY TUBE" PROVtt> ED WITH SUCH A CONE."

Applicant : N. V. PHILIPS¹ GLOET-LAMPENBFABRIEKEN, OF GROENEWOUDSEWEG 1, 5621 BA EINDHOVEN, THE NETHERLANDS.

Invention : 1. WILHELMUS NICOLAAS MARIA SELTEN,
2. MARTINUS PAULUS WILHELMUS VAN ROOSMALEN,
3. HERMANUS NICOLAAS TUTIN.

Application No. : 372/Cal/1993 filed on 2»th June, 1993.

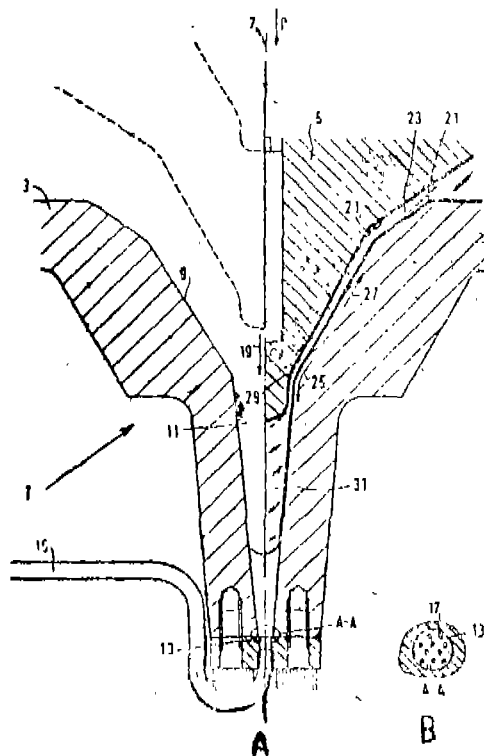
Appropriate office for opposition proceedings- (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

•10 Claims

A method Of manufacturing a hollow cone provided with an open side and u cone tip remote from the open side comprising the steps of ;

- introducing a parison of viscous material into a first hollow cone-shaped mould part and then;
- forcing a second cone-shaped mould part into the first mould part to mould said parison of viscous material into a shape of the hollow cone, characterized in that;

during moulding (step *b*) the hollow cone, MI escape space is formed underneath the parison of viscous material in the vicinity of the cone lip to be formed, and said parison of viscous material is prevented from entering said escape space until a flow pressure of said viscous material exceeds a value of force between 3 and 100 bar, depending on the size of the cone to be moulded and the wall thickness of the cone in the vicinity of the cone tip to be formed, applied to said escape space.



Compl. Specn. : 11 pages

Drgns. : 4 sheets.

Cl. : 56 E

179108

Int. Cl. : 7 10 O 7/08.

PROCESS FOR SEPARATING HYDROCARBON MIXTURES BY EXTRACTIVE DISTILLATION.

Applicant : JCRUPP KOPERJS GMBH, Ob M.TENDORFER STRASSE 120, D-45143 ESSEN, GERMANY.

Inventor : 1. DR. BERNHARD' [TRNHABEfr
2. GRRD EMMRTCH
3. FRAU DR. BARBEL KOLBE
4. FRAU (XAUDTA VERWEY, GEBORENE LENZ.

Application No: 450/Cal, 1993 filed on 10th August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

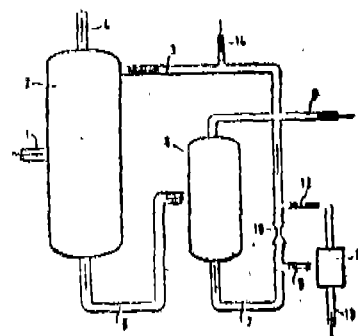
10 Claims

Process for separating hydrocarbon mixtures by extractive distillation with selective solvents or solvent mixtures, in which the feedstock is introduced in the central part of the extractive distillation column and the solvent or solvent mixture used is introduced into the upper part, and the lower boiling hydrocarbons of the feedstock in the solvent hydrocarbon mixture are drawn from, the extractive distillation column over the head, while the higher boiling hydrocarbon of the feedstock together with the greater part of the solvent are obtained as, the bottom product of the extractive distillation, and the bottom product is transferred from the extractive distillation column into a downstream stripping column in which the hydrocarbons and the solvent are separated from one another by distillation, characterized in that

(a) solvent as herein described are used which have a high selectivity with respect to the particular separating task and which also form miscibility gaps with the hydrocarbons in the feedstock under the concentration and temperature conditions used,

(b) the process conditions in the extractive distillation are selected so that two liquid phases occur over a part of the total height of the extractive distillation column, and

(c) the mass transfer conditions in the extractive distillation column providing large exchange areas, present both between the two liquid phases and between the liquid phases and the vapour phase.



Compl. Specn : 17 pages;

Drgns : 1 sheet.

Cl. : 64 B 3

179109

Int. Cl. : H 01 R 23/66.

CONNECTOR FOR HIGH-SPEED NETWORKS OF THE VOICE AND DATA TRANSMISSION (CDDI CONNECTOR).

Applicant : KRONE AKTIENGESELLSCHAFT, OF BEESKOWDAMM 3-11, D-14160 BERLIN ZEHLENDORF, GERMANY.

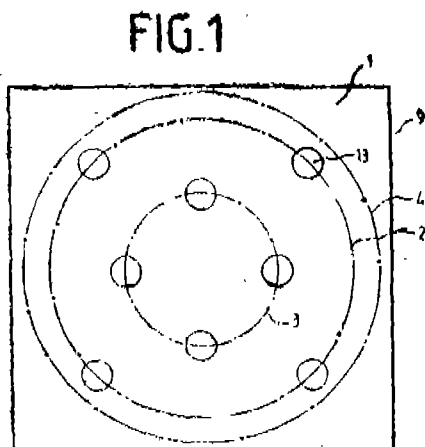
Inventor : WINFRIED SCHACHTEBECK.

Application No. 545/Cal/1993 filed on 20th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

8 Claims

A connector for high - speed networks of the voice and data transmission (CDDI Connector) in the distribution medium connection box area and comprising contacts, characterized by that the contacts (13) are arranged on an inner circle (3) and on a middle circle (2) and a tube-type shielding (4) is disposed on the outer circle.



Compl. Specn : 5 pages

Drgns : 1 sheet.

Cl. : 32 F 2 (a)
Int. Cl. : C 07 C 153/05
C 07 D 261/08

179110

A PROCESS FOR THE PREPARATION OF AN ALIPHATIC THIOAMIDE.

Applicant : FINE ORGANICS LTD, OF SEAL SANDS, MIDDLESBROUGH, CLEVELAND TS2 1UB, ENGLAND.

Inventors : 1. ARTHUR JACKSON
2. GRAHAM HEYCS
3. DAVID HOLMES
i. ORAIG MORGAN.

Application No. 882/Cal/1995 filed on 31st July, 1995.

(Convention No. 9416364 du 12-8-94 in U.K.) •

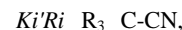
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A process for the preparation of an aliphatic thioamide of the general formula

Rj R, R. C. CS. NH

wherein the symbol Ri denotes n hydrogen atom, an alkyl radical containing from 1 to 5 carbon atoms or an aryl radical and the symbols Rs and RH each denotes a hydrogen atom or an alkyl radical containing from 1 to 5 carbon atoms, comprising the steps or reacting a nitrile compound of the general formula.



wherein the symbols Ri, Ra' and Rs have the foregoing meanings, with 10 to 300 mole per cent of hydrogen sulphide, based on the quantity of nitrile compound, in the presence of 10 to 100 mole percent, based on the quantity of nitrile compound of an aliphatic amine of the general formula;



wherein the symbol Ri denotes an alkyl radical containing from 1 to 5 carbon atoms and the symbols Rn and Rs each denotes a hydrogen atom or an alkyl radical containing from 1 to 5 carbon atoms, in a water-miscible polar solvent, at a temperature between ambient temperature and 50°C, and separating the aliphatic thioamide so obtained from the reaction mixture.

Compl. Specn. 12 pages

Drtli. : Nil

OPPOSITION PROCEEDINGS

An Opposition entered by M/s. Godrej Soaps Limited, Bombay to the grant of a patent Application No. 173327 (1012/Del/89) has been allowed and the application for patent is refused.

An Opposition entered by M/s. Godrej Soaps Limited, Bombay to the grant of a patent to the Application No. 173328 (1014/Del/89) has been allowed and the application for patent has been refused.

RENEWAL FEES PAID

175215 174916 173854 175290 169013 170309 170842 175973
176514 173264 160226 162744 166742 167867 169555 171699-
172359 172713 173282 173663 174418 174691 175774 175830
175942 176041 176075 176352 177096 177202 177203 177322
177328 177330 177351 177332 177333 177335 177347 177338
177355 175585 175624 17565; 175765 176233 175648 175649
175625 164699 165798 166387 166338 168971 174838 165377
166886.

PATENT SEALHD ON 25-7-97

177192 177433 177434 177437 177446 177455 177471*
177472 177473* 177474 177475 177476 177478 177479
177480* 177481 177482 177485 177489* 177491 177492
177493 177494 177495* 177496 177500.

CAL-23, MUM-NIL, DEL-03, CHEN-NIL.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of filing.

COMMERCIAL WORKING OF PATENTED INVENTIONS

CHEMICAL ENG. INDUSTRY LIST NO. 1

The following Patents in the field of Chemical Engineering Industry are not being commercially worked In India, as admitted by Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar Year 1995. eonw³ly on account of want of request for licences to work the Patented invention. Persons who are interested to work the s^ald patents commercially may contact the patentees for the grant of a license for the purpose.

Patent No.	Date of Patent	Name & Address of Patentee	Title of Inventions
<i>T</i>	2	3	
167182	14-3-1986	AE Pic, of C>uston House Cawston Rugby, Warwickshire-CV 225A, England.	A composition for a plain bearing in,icri; 1.
167454	22-5-1986	Do.	A process for the production of an ^Uitnni-um-ba&jd bearing alloy.
i 63215	17-5-1984	Asarco incorporated 120 Broadway, New York State of New York U. S. A.	Method for (he electrolytic refi'ing of cT" Per using thiouro as addition agent.
164522	11-6-1985	Do.	Gas burner.
161982	14-11-1983	Australia Osytrol systems Pty. Ltd., of 85, Woodstreet, Eaglehawk, Victoria, 35,56 Australia.	Oxygen probes suitable for detecting Ui-oxygen content of aa atmosphere.
170957	30-1-1990	Aziendo Chimiche, Riunite Angelini, Fj-au^co A.C., R.A.F. S.P.A., of vial> Amelia *0008 Italy.	Process for preparing ethers of l-bcii/y1-3-hydro\y-lihydroxycadd's.
157882	1-8-3-1982	Bergworfeverband, GmbH Franz-Fischer-wee, 61,4200, Bssen 13, West Germany.	Method for the production of H2 and ccin-taJnljj g^ses.
J69600	3-6-1988	Bethlehem steel COporati, of 701, Easl Third. St. Rathelehem, Pennsylvania.] 801 b, V.S.	Method for the production of coogrcie V^c solid material by chemical atabilizaijon of heavy metal bearing dust and .sluJg:, fn-.di E.A.F. dust.
163382	1-4-1987	Burden Inc. of 180, East, Bfoad ST coumbos, Ohio-43215 USA.	Raw butch carbonaceous composition l/>r Use in making shapud self sustaining article.
168678	1-4-1989	Do.	A composition useful ^s a tumping and rartnlnng composition for use in monolithic shape construction. ¹
168079	1-W987	Do.	A process for making a body that cM be phi'jlyved to form a carboni/^J sbaiv.
162093	30-10-1984	BP Chemicals Limited B,lggrav, House, 76 Buckingham Palace Road, London SW1W OSU England.	A liquid phase process for the c^tionjc pojyinerization oi l-olch"r ₁₅ .
1\$547	29-11-1987	Do.	A process for the Product'on of an atiJijiv^ concentrate suitable for in corpoiation into finished lubrication oil composition.
171503	26-5-19SS	British-American, Tobacco Co Ltd, of P.O. Box 482, west minister House, 7, Mfflbank London, SWIP, SMB.	A method of making a tobacco smoke Gliw clement.
164028	20-3-1985	British steel Pic, 33, GrosVonor Place, London S.W.I. England.	A method of rofoioing raetal .
167089	26-2-1986	DO,	A method of iron making by means of a aincl-tIOB shaft fUmftoe.

1	2	3	4
159460	19-4-1983	Centre stephanois De Recherches Mecaniques Hydro-Mecanique Et, Frottement, Rue Bonoit Fourneyron, Andrezieux Routheon, Loire France.	A process for treating ferrous metal posts containing free or combined sulphur in their surface layers.
160803	4-M-1983	Do.	Method of depositing a layer of extremely hard chromium on substrates.
163415	18-3-1985	Do.	Process for manufacture of ferrous metal parts having improved corrosion resistance.
171804	31-J-1989	China Petrochemical Corpn. 24 Xiaoguan, Street Anai Renjng Peop. Rep. of China, & Research Institutes of Beijing Yanshan petrochemical Corpn 9 Ronghuangting Road, yanshan District Beijing P.R.China.	A process for preparing a silver containing catalyst for the production of ethylene oxide.
159600	21-3-1984	Chuo kanaku, Co. Ltd 5-1, 3-chome, Miyaji, Kounosu-shi saitama-ken, Japan,	A process for producing a resin foam by aqueous medium.
165902	9-7-1986	Colortech Inc, 8011 Dixie Road Brampton, Ontario, Canada-L & T 3 V1,	Method and apparatus for forming extruded products-
168554	28-10-1986	Commonwealth Scientific Industrial, Research Organisation, Australia,	Composite electrode materials for use electrolyte device and solid electrode indicating said electrode'
154752	44-1982	Council of Scientific & Industrial Research (CSIR), Rafi Marg New Delhi-110001 India,	An improved process for the extraction of metal values of copper, lead and zinc from sulphur ores or ores concentrates.
156026	30-6-1982-	Do.	An improved process for the electrolytic deposition of copper-tin alloys from cyanide baths on metal substrates.
157059	30-12-1982	Do.	Improvements in or relating to lithium manganese dioxide nonaqueous button cells.
157080	30-12-1982	Do.	An improved high build anticorrosive paint composition for use in marine environments.
157110	7-1-1983	Do.	A process for the preparation of precipitated calcium carbonate from carbide lime sludge.
157439	17-2-1983	Do.	An improved process for the electrodeposition of lead dioxide on titanium substrates.
157565	23-1-1982	Do.	A Process for the preparation of indolible ink for making a permanent mark on a substrate.
157865	25-6-1983	Do.	Process for the preparation of plasticizer material for use in plastic industry.
158085	25-6-1982	Do.	An improved process for the preparation of stable manganous oxide (MnO).
158254	7-1-1982	Do.	Process for preparation of a catalyst composite material.
158255	19-1-1982	Do.	An improved process for the catalytic alkylation of benzene to ethylbenzene.
158331	19-5-1982	Do.	A process for the recovery of lead and zinc values from moor's cake.
158462	23-10-1982	Do.	A process for the preparation of catalyst for isomerisation of alkyl aromatic compounds.
158655	26-11-1983	Do.	Improvements in or relating to the preparation of lithium tetra chloroborate.

1	2	3	4
158837	25-3-1982	Council of Scientific & Industrial Research <CSIR\ Raft Marg, ^w Dllhi-110001, India.	Aft improved liquid fuel burner used in oil pred furnaces;
158975	24-7-1982	Do.	Process for the preparation of Diosgeniti anti'Sera for use In th ₀ determination of dio- sengin in a plant material.
158991)	29-11-83	Do.	Improvements in or rotating to a process for the extract or of copper lead and zinc metal valves from complex sulphide ores concentrates
159041	17-3-83	Do.	Process for th? preparation of improved ctalonic fat liquor from vegetable oil.
159164	2-6-83	Do.	Process for the catalytic conversion of motho- nol to hydrocarbon mainly oleflns.
159186	18-5-84	Do.	An improved process fom the preparation of a metal sulphate.
159406	2-2-83	Do.	A catalytic process for tho conversion of matanol to oleflns rich hydrocarbons.
159407	22-2-83	Do.	A process for the preparation of composable catalyst material.
1594i2	23-3-84	Do.	An improved flux composition.
159S81	10-6T83	DO.	An Improved burner for use with fluid fules.
159964	30-9-84	Do.	Piocess for the manufacture of pyrochor (actviated carton) from waste materials.
160197	23-10-82	Do.	A catalytic process for the isomerisation of nlkyl aromatic compounds.
160274	27-5-85	Do.	Improvements in or relating to the prepare- toinof ater borne self curing xinosWcate coatings.
160279	25-1-85	Do.	A process for the preparation of a catalyst useful for the selfctive conversion af ethy- lene into aromatic hydrocarbons containing 6 to 8 carbon atoms.
160155	26-9-84	Do.	An improved process for the preparation of aluminium or aluminium alloys.
160403	2-5-84	Do.	An Improved process for the treatment of cori/co r products to make them flre/flamo retardant and colr/coir products so treated.
160479	18-3-85	Do.	An improved process for tho extraction of copper, nickel and cobalt metal valves front deep sea manganese nodules.
160520	10-12-84	Do.	A process for the extraction of cobalt, nickel/ and copper from copper converter slags with ammonium sulphate roasting at low tempe- ratures.
160535	10-12-84	Do.	A process for the extraction of copper nickel/ and cobalt m<tal values from manganese seal nodules.
160536	10-12-84	Do.	A process for the extraction of copper, nickel and cobalt metal values from sea bed manganese nodules .

1	2	3	4
150751	16-5-86	Do	A process for the extraction of Garsinal hypofluoric acid and eathocyaning which are useful in food Industry as colouring additive from kokuru plant (Garcinia India)
160756	25-1-85	Do	An inhibitor composition for protection of metal alloys from sea water
160830	14-1-85	Do	Process for the preparation of new catalyst composite material useful for the conversion of alkanols to hydrocarbons.
161701	14-10-83	Do	improvements in or relating to the process for sulphonation of high polymers to cation-exchange material).
161771	16-4-85	Do	A process for the preparation of thicker material from the plant Utssa polyantha for use in the textile printing Industry.
161771	16-4-85	Do	A process for the preparation of rigid polyvinylchloride and polyacrylate alloys
161457	13-8-84	Do	An Improved process for the preparation of manganese sulphate
161570	25-12-84	Do	A process for the preparation of a composition useful for coating rusted surface.
101512	4-7-84	Do	An improved process for the recovery of metallic copper from copper converter slag or any other oxidised copper bearing material.
W1644	9-7-84	Do	An improved process for the preparation of sym-N, N-disubstituted diaryl urea compounds,
161649	23-3-85	Do	An Improved process for the recovery of lead from complex sulphide ores concentrate.
162243	2-2-85	Do	A process for the recovery of silver from waste hypo solutions available from photographic Industries.
162097	5-3-85	Do	A process for the preparation of alumina based refractory catalysts,
162243	9-12-85	Do	An Improved process for the extraction of copper from chalcocite concentrate through bacterial leaching technique.
16247	10-12-84	Do	Gaseous sparger for exothermic gas solid reactions.
162451	1-12-85	Do	A process for the preparation of a noncorrosive flux for soft soldering of copper and copper based alloys.
161401	30-1-85	Do	An improved process for extraction of copper, nickel and cobalt from deep sea manganese nodules by ammoniacal leaching
16249	3M-RS	Do	A process for the preparation of fire resistant coating material
		Do	An improved furnace for use with pulverulent fuels.

1	2	3	4
162504	4-10-1985	Council of Scientific & Industrial, Research, (CSIR), R&D Mrg, New Delhi-110001, India.	An improved process for the preparation of purified colloidal graphite having 0.1 - 0.2 micron particle size.
162522	5-12-1985	Do.	An improved process for the preparation of 2,4-dibromophenol-A.
162911	6-5-1985	Do.	A process for the simultaneous preparation of sodium vanadate and zeolite by the thermal treatment of vanadium sludge.
163054	22-7-1985	Do.	Improvements in or relating to the preparation of epoxy polyamide titanium dioxide paint for irradiation resistant coatings.
163187	30-1-1985	Do.	Process for the conversion of methanol to olefins.
16358K	13-3-1985	Do.	An improved process for production of fluid pumpable non-settling concentrated water based slurry fuel.
163677	15-5-1985	Do.	A process for the removal of tarnished film from the surface of articles of silver, copper and their respective alloys.
161713	11-7-1985	Do.	A process for the preparation of an inhibitor suitable for pickling of steel pipes/structures in hydrochloric acid.
163810	31-7-1985	Do.	A process for the separation of sterol masterol derived products of 22S, 23S and 22R, 23R-isomers of 22, 23-Dihydroxy-24-S-ethyl-30c-5-cyclo-52 cholestan-6-Ones from phytosterols of sugarcane wax.
163832	1-7-1985	Do.	Process for the preparation of predominantly cationic basic titanium tanning extract for use as a tanning material.
163842	16-1-1986	Do.	Process for the removal of impurities from sea salt and sub soil brine & by floatation technique.
164270	10-12-1985	Do.	Improvements in or relating to a process for the preparation of corrosion/scale inhibitors suitable for prevention of metallic corrosion and scale formation in system using different grades of water.
164271	31-12-1985	Do.	Process for the preparation of a stabilizer to inhibit autocatalytic decomposition of hydrogen peroxide added in pickling baths of copper and copper based alloys.
164274	31-10-1985	Do.	An improved process for the extraction of nickel from laterite nickel ores.
164411	1-2-1986	Do.	A process for the production of stabilized oil-in-water slurry useful as substitute for Petroleum based fuel oil.
164415	31-7-1985	Do.	A Process for preparing transparent sheets document copying purposes and transparent sheets so prepared.
164416	2-8-1985	Do.	A process for the preparation of novel lanthanum iron silicates designated as Ensilite-2.

1	2	3	4
164457	6-3-1986	Co.uncil of Scientific & Industrial Research, CCSIfi) Rafl Mftrg, New Delhi-110001, India.	An improved process for the preparation of stable anionic fat liquors based on glyceride oils having iodine values less than 100.
164459	3Or6-1986	Do.	A process for the production of kerosene from light olefins.
164487	25-3-1986	Do.	An improved process for refining of aluminium A it's alloys.
164581	23-7-1986	Do.	A process for the preparation of a new aluminium based alloy electrode for cathodic protection of structures submerged both in sea water and fresh waters.
J 64652	29-10-1986	Do.	A process for the preparation of zinc rich primer based on alkyl silicate for corrosion protection of steel
164654	16-6-1986	Do.	An improved process for diffusion aluminiuming of shaped articles of low carbon steel and low alloy steel-
164706	14-10-1985	Do.	An improved alkaline primary battery cell.
164775	31-12-1985	Do.	A process for preparing polymer bonded clay useful for surface treatment water proofing and moth proofing of articles.
164964	30-8-1985	Do.	An improved process for the extraction of vanadium pentoxide from vanadium bearing titaniferous magnates or any other vanadium bearing material.
164973	1-1-1987	Do.	A process for the production of pure silica and oxalic acid from paddy husk.
165431	12-8-1986	Do.	A process for the manufacture of submicron gate gas metastats using contact photo lithography.
165433	31-10-1985	Do.	A process for production of electrolytic manganese dioxide along with activated manganese dioxide as a by product from material manganese ore?
165506	18-7-1985	Do.	Improvements in or relating to a process for the preparation of an inhibitor suitable for bathom & continuous picking of steels in hydro chloric acid solution.
165.M0	12-2-1987	Do.	A process for the preparation of nitro potassic fertilizers and technical grade potassium nitrate from mixed salt.
165530	11-1-1985	Do.	An improved process for the production of high resistivity anisotropic hydrogenated silicon films.
165726	12-2-1987	Do.	A process for the production of ammonia by photo catalytic reduction of molecular nitrogen.
165763	31-7-1983	Do.	Improvement in the preparation of pharmaceutical formulations in the form of suspensions.

1	2	3	4
165920	11-12-1936	Council of Scientific & Industrial Research (CSIR) Rjfl Marg, New Delhi-110001, India	A process for the preparation of low molecular weight xyknuso from cl^na strain.
165976	16-6-1986	Do.	A method of production of hydrogen from biological wwtes.
165977	11-8-1987	Do.	Improved electrolytic coll for tho production of calcium gluconate.
166149	25-3-1986	Do.	Process tbr the preparation of crysialine alumino-phosphate catalysts.
166181	5-5-1987	Do.	An improved process for preparation of-2, bromo-11-phenylethanol.
166284	31-3-1986	Do.	A process for the preparation of collagen derivatives from rejected and poor quality hiaes and skin useful for incorporation in cosmetic formulations.
166411	20-9-1985	Do.	Improvements in or relating to a pm^ss foi the preparation of ceramic magnuts
166439	2M1-1987	Do.	A process for the manufactiud of red mud • filled PVC, composite material.
166491	24-11,1987	Do.	A process for the preparation of now ceramic membrane for witer filteratinns.
166666	13-8-1986	Do.	A process for tht preparation of an hydrous [ron £1C sulphate.
166734	25-J-1966	Do.	Improved process for tho production of trichtorosilanc (TCSj from silicon tetrachloride.
166826	17-6-1986	Do.	A process for the preparation of wife, -Hs-persable moloinisod fatty derivatives for incorporation in tanned leathers for imparting water icplelloucy.
166830	24-12-1986	Do.	A process for tho earidnient of silica in commercial sodium silicate solutions.
167019	17-70-1986	Do.	An imptovel prowss for the iYianuficlure of high sensitivity thwmiutoirs.
167037	13-8-1986	Do.	A pruccis for the picparatio.) of putc high bulk density iron oxide.
167305	21-4-198;	Do.	An improved process for the production of alumina from low grade and subnurngal bauxite.
167309	12-6-1980	Do.	A process for dojulphm Nation <f high sulphur coal.
167482	:5-4-1986	Do.	A process lor tho recovery of nickel and cobalt from copper converter slag or their oxidic ores.
167848	1-7-1986	Do.	An improved process for cold pell••fixation of côme oro line and concentrate>.
167630	22-2-1988	Do.	A process for the preimrat ion o' soft-Acrylic emulsion for use as binder for leather finished.

1	2	3	4
167668	22-2-1988	Council of Scientific & Industrial Research, (CSIR Rill M'rg, New Djlhi-Meo.il, India	Art improved process foi oleetrol' ss nickel coatinc cutting tools dies and moulds.
167684	19-1-1987	Do.	An improved procoss for the soloed vo hydro- formylation of aliphatic olifins to corres- ponding linetir aldehydes.
1d77J4	24-3-1987	Do.	An improved pioeess foi' llie production of high alumina cement clinkers and the like containing alumina ranging' from 45 to 80 percent.
167738	18-9-1987	DO.	A proojsiforthe preparation of an enzyme B-galactOsida.se useful for reducing the content of la,tose in lagoon containing products lik<? milk, whey and otlier dairy Produce.
167839	7-1o-1986	Do.	An impro Ved process for the production ol" highly de"sc sinters of dolomite magn_c- site oaiclc it mixtures thsi'eof.
167936	S-12-J 986	Do.	Lubricating oil composition for twoitrokc petrol engine.
167996	29-10-198b	Do.	A process for direct olectrowining of lead metal from galena co'nce'Urates.
168135	26-9-1986	Do.	An improved process fo_r the production of alkali soluble humic acid and ammoniums.ilt thereof from low r.inx coal whcaihcred cooler bifinitc through solid gas reMor.
168140	24-12-19K6	Do.	A process for thco.vd-actiojiof metal values from deep se^a polym_c tailic nodules by direct reduction amnioni a l_eaching.
168294	2-9-1986	Do.	Process for (he manufacture of aluminium aijoy silica sand composite for brake liner and enB'neering applications.
168346	7-9-1987	Do.	improved process for ihe manufacture of erythrosine/erosin from Huoresce.in.
168377	3-6-1986	Do.	An improved process for the manufacture of sintered synthetic hi_s alumina augr<!!^tc-
168399	10-2-19H9	Do	A process for the preparation of a high Silica zoolito of Pentasii family from paddy hiiskajh.
168413	1-6-19SH	Do.	Improved method for the Piepmtition of alkyal resin ha_sed water thinable aj_r drying paint.
168451	2-6-1987	Do.	A process for the preparation of polypheny- lene oxidi-, as an alherent film on meta^ic substarces.
168728	10-2-1989	Do.	An improved process for the production of coleontil from the roots of the plant colcus forskohlit brig (Syn. e bargatas).
168794	2442-1986	Do.	An improved process for the phosphosuiphi- dat_e d jojoba oil useful ^s multifunctional additives for lubricating oil.

1	2	3	4
16912^	6-3-1986	Council of Scientific & Industrial Research, NewDeHii-	A process for the preparation, of catalysed oxygen scavengers suitable for removal of dissolved oxygen in water.
169137	6-3-1986	Do.	A process for the preparation of cataiy _{se} d oxygen scavengers suitable for removal of dissolved oxygen in water.
169140	11-8-1987	Do.	A process for the production of compacted graphite iron.
169172	28-4-1988	Do.	A p _{il} ts _t for the manufacture of bronze coloured sheet glass.
169189	14-3-1989	Do.	A process f _r the preparation of high flux mcinbi-ane from the bl _o udof formulation of cellulose acetate and cellulose tricHcetaW useful for the desalination of brackish water by reverse osmoisis process.
i69191	18-3-1987	Do.	A piocesiforthe pre preparation of clay loaded metal corutaxos catalyst useful for the hydrogenation of oils and other unsufurated compounds.
169279	29-11-1985	Do	A procsss for the preparation of dioxygen complex of thuthenium useful for photocataiutic decomposition of water ioto hydrogen and oxygen.
169371	fi .3 .1986	DO.	A process for Hie piepa. Jtion of, Cdtjlysed oxyeea scavaengers suitable for pre ^{ve} "tion of metallic coriosion in systems using different grades of waters.
[69373	23-10-1986	Do.	A process for the production «f cliromitecok composite briquettes-
169375	5-12-86"		An Improved process for Mquettiifiichro-m» ore fifes anil concentrates.
169502	31-12-36	Do.	A process for the puotocatalytic decomposition of water in to hydrogen and oxygen.
16S747	28-4-88	Do.	A process for the preparation °f indicator paper for on the spot testing iodine in the range, of 15—4n ppm in iodiat _e d salt.
169856	24-12-86	Do.	A rajthid for the manufacture of an e*tr&*erne pressure and industrial gear oil.
169857	24-12-86	Do.	An improved process fot the tjulpharisation of ojoba oil for use as an extrenic pressure additive.
170008	16-12-86	Do.	An improved process for tho manufacture of hydroxy citronellal from oitronellal.
170346	3-10-88	Do.	An improved water treatment plant.
170384	13-4-87	Do.	A process for the desUic*iion of black/green liquor for recovery of paper grade lime in paper mills.
170388	24-3-87	no	A process for the manufacture heat insulative refractory products by foaming technlqne.

1	2	3	4
170438	14-3-sy	C>u wil -»f Sjeutirtc & HdusHal Res:arch New Delhi	An improv _e d process for the synthesis of Ufe ^a .
170445	i3-4-8R	-Do--	A process fin- the pioduction of copper real glass,
170449	13-10-87	—Do—	A process fot the Pr-p\$rtion of polymer ageous resin emulsion for uge as pressure sensitive adhesive nil paper met ^a l Toils lopes ^a nJ surgical pl ^a sts.
170465	22-8-88	...Do-	A bipolar uoll for the production of chlora-tes and Hypochlorites.
170SK4	31-1-90	--Do—	An improved process for the synthesis of OL (3,6-Dl-O, methyl, B--D—glaco—pyjianogyl) —Cl— > 4). 0(2,3-01-0 methyl tiL, rliam-nopyranosyl (—.--9).
[VOflJB	l'iO-39	—Do—	Sy.iihesis of 8-(meth3'o>(y, C'.rbonyl) attyl 4jfl'beii^yl-L-Thflm-nopiii. ^p naside, H novel intermediate for synthesis of n laproxy antigen.
170560	•?6-9-3»)	—Do—	An improved m^unl to manufacture manga-nese monoxide frojn manganese ores,
170767	17-2-sy	—Do—	An electrochemical monitor for the qua ⁿ tit ^a -tive estimation of mercury and oihermal c ^a tion such ag cutt, Ag p b + + in solution.
170770	J 3-J 2 gy	-Do—	A Process for the synthesis of -6 (ArylvinyI)—1, 2, n-trioxoncs.
170829	7-9-87	-Do—	An improved process for the prep ^a ring of a high silic ^a zeolite catalyst composite material.
170*.H	Jl 10-87	—Do—	An improved process for the Preparation of active ^a lak ^a li silicate from rice hugk ash.
170S3J	?6-9-86	—Do-	An improved method to manufacture man-ganese monoxide.
170836	15 io-y/	—Do-	A process for the preP ^a r ^a tion ol" ax ^a lic add from wood dust.
170S37	17-11-8/	—Do—	An improved process for the conversion of n<Hur ^a l g ^a s into middle distillate ¹ .
170903	::-i2-s7	-Do—	A proceis for rlie production of kerosene and diesel -fr>mFLL naptha.
170906	26-J2-Ey	—Do—	A process for the preparation of -3-aryl-l-hydroxy-but-3, Cn-2-hydroper oxides.
170907	28-3-89	—Do—	An improved process for the preparation of alkyl orbamates.
170908	28-3-sy	—Do—	An improved process for the preparation of a ₂ xl-N alkyl carbamates.
1709f2	15-6-87	—Do-	A process for the continuous solvent extrac-tion and electro winning of copper and zinc from ammoniac ^a l lo ^a ch liquor obtained from pressure leaching of multi met ^a l sul-phide °res / concentrates.
171013	17-5-H8	-Do-	A pr>sss for the preparation of a solid form alation for rild testing of iodine in the r ^a nge, of 1-1 S ppm present in 50.g. iodoted salt.

1	2	3	4
1^1230	15-12-1938	CouncilorScientific & In'lmitrial Rewareh, New Delhi.	A priljjs fJr.pW3ir.ititfii of stabilized.hitfti Bh coal glurrics.
1^1362	13-4-1987	Do.	•Process for tlo preparation of a catalyst comptwife material.
171363	15-4-1987	Do.	Procos. for the preparation of a catalyst composite material-
171407	24-9-1987	Do.	An improved process for the preparation of a carboxy'ic acids.
171*36	24-10-1988	Do.	An improved process for the preparation of thermosettlng nrylic paint.
171 63B	8-10-1987	Do.	A process for production of film*, btisod carbon paper.
171)646	74-2-1989	Do.	A process for the preparation of ,iotymoric n/ombrano useful for the soparation and conoojtration of organic complex molecules.
17,1648	4-3-1989,	Do.	An unproved process for the preparation of solvent resistant high tenting strength copper phthalocyanin bluep'gment.
171M9	7-2-1989	Do.	An improved process for tre preparation of insulating bricke from tdlf:
111782	13-7-1988	Do.	Process ft>r tnc preparation of ablative fire tetardant polymer composite from cashew- nut &hell liquid.
171290	23-11-1989	Do.	An improved process fr>r ihe preparation of 2-pyridyl-2, 8, 6fS -1 (trifluoromethyl) -4-quinoty lketonc.
172030	31-12-1987	Do.	A process for the production of special pitech having low contents of qulno line)nsoluble (SI) in the range of (. 1 to 0 % and benzendo insoluble in the range of 15-19% useful for making carboo, carbon composites grufihito electrode's carbon fibers and the- like
172048	22-12-1987	Do.	A process for the preparation of fertilizers useful to increase phosphate availability \n soil.
172135	24-M989	Do.	An Improved process for the preparation 4-phennl-5-Jischrora-cetamido-1, B-dioxane.
1701138	21-10-1987	Do.	A process for the prcpaLation of 1-(1,5- Dlmothyl (substituted hoxyi) 4-inethyl boji- zenei from ringbenzonde.
1712214	21-10-1,987	Do,	A process for tho preparation qf 1-(1,5- Dinwthyl (substituted) hoxyl).i-methyl benzenes from zmgbereu.
1712287	3u-3-1988	Do.	Improved, process for the carbonyiation of alcohols to carboxylic acids.
1712326	16-3-1989	Do.	Improved procoi; for tlia prpparatlon of bronnswick greens.

1	2	3	4
172329	17-2-1989	Council of Scientific & Industrial Research, New Delhi.	Electrochemical cell for the electrolytic preparation of magnesium chlorate and a process using the said cell.
172313	10-3-1988	Do.	Process for the preparation of a novel tetraalkylaluminosilicate.
172361	21-3-1988	Do.	An improved reforming process.
172416	3-10-1988	Do.	A process for the preparation of oriented powder of superconducting-Baz (307-compound).
172542	13-6-1989	Do.	An improved coating composition useful for the protection of concrete structures.
172587	16-3-1988	Do.	A process for making Portland cement from the ash.
172633	27-4-1988	Do.	Process for the preparation of high silica particle mordants.
172690	28-1-1989	Do.	A process for the preparation of a pharmaceutical composition to the treatment of hypertension, organic heart diseases and hyperthyroidism having increased activity.
172784	9-6-1983	Do.	A process for the preparation of a novel crystalline aluminosilicate designated as encillite-12.
172781	16-6-1988	Do.	An improved Naphtha reforming process.
1729R3	20-1-89	Do.	A process for the preparation of an improved joba oil body containing trisesterified joba oil and joba oil.
172941	8-7-86	Do.	A process for the production of silicon carbide fibres (B from) from the ash.
172945	13-6-89	Do.	A process for the preparation of (5)-1, Tert, Butyldimethyl silyl-4-(2-hydroxypropyl) Azetidin-2-one.
172W0	18-4-88	Do.	A process for the preparation of compounds useful for the treatment of disease affecting macrophages.
172963	28-3-89	Do.	A process for the preparation of para-Sab-H-tuted benzyl 2, 2-dimethyl-3-(2, 2-dichlorovinyl) chloropropane carbamate highly potent insecticide belonging to the synthetic pyrethroid group.
172966	26-1-89	Do.	A process for the Preparation of cereals and low alcoholic beverage.
1729W	6-7-89	Do.	An improved process for the preparations of mono and dihalo substituted derivatives of or the aminobenzaldehyde from the corresponding hydrazides.
172970	11-9-89	Do.	A process for the preparation of 2-amino-1-phenyl-L-propanol (phenylpropanol amine B.P.)
17297X	13-2-87	Do.	A process for sintering of chromite ore fines and concentrates.
173006	20-4-88	Do.	A process for the preparation of compounds useful for the treatment of diseases affecting macrophages.

1	2	3	4
169054	26-7-88	Cyril Harold Evans, of 23-Burdock Lane, Don Mills, Ontario, M3C-2G Canada,	Contact lens of soft-pliable ophthalmic plastic material.
160110	25-8-83	Degussa AG, Weissfrauenstrasse 9, 6000, Frankfurt (Main) F.R.G.	Process and apparatus for producing carbon black.
162212	21-4-84	Do.	Process (Of the production of natural oxidic or silicatic fillers modified at the surface-
164686	16-7-85	Do.	A process for the production of fillers.
168086	13-3-87	Do.	A process for a dry canzonization of galactomannan.
169015	25-8-87	Do.	A process for the extraction of industrial hydrogen peroxide from working solution obtained in a conventional anthraquinone process for exclusive use in Industrial purpose.
169577	16-5-88	Do.	Aqueous pumpable stable suspension of water insoluble silicate capable of binding calcium ions.
169654	7-7-88	Do.	Process for dry cationization of galactomannans.
156855	7-4-82	Domco Smokeless Fuels, Pvt Ltd, of P. R. K. Kunj Room No. 2 Buti Rd, Baidyati Ranchi-834009 Bihar, India.	Continuous carboniser for the production of domestic coke cokes from coal.
161384	13-7-83	Energy Conversion Devices of 1675, Maple Road, Michigan 48084, USA.	Fuel cell and anode withip.
161503	10-10-84	Exxon Research & Engineering Company at 200 Park, New Jersey, USA.	A method of purifying N-Methyl-2-pyrrolidone solvent.
167753	25-7-86	Do.	Absorbent composition.
167758	17-12-86	Do.	A method for extracting aromatic hydrocarbons from hydrocarbon oils.
172110	25-7-86	Do.	A process for producing a fluid mixture free of H ₂ S by the selective absorption of H ₂ S from a fluid mixtures.
158808	31-12-82	Ferrochroms Ltd, of Hassechambers, 2 Hassell Street, New Castle under Lyme, Staffordshire-ST5, 1QB UK.	Process of refining ferrochromium metal.
159762	31-12-82	Do.	Process for the reduction and melting of ferrochromium.
171530	13-11-90	Fidia, S. P. A. (An Italian Co.) via, punta della, Fabbrica 3/A, 35031 Abano Terrae, Italy.	Process the preparation of a mixture of gangliosides.
168343	16-4-87	Frank Wesley Moffett JR. of 944, Allen Creek, Road Rochester New York, 14618—USA.	A plant growth composition and a method of manufacturing said composition.
166773	16-6-86	General Signal Corporation of High Ridge Park, P.O. Box. 10010, Stanford Connecticut, 06904 USA.	Apparatus for mixing liquid or liquid suspension medium contained in a Nessel.
166425	4-11-86	Giulini Chemie GmbH, Giulinistr. 2, 6700, Ludwigshafen, West Germany.	A process for producing a three dimensional stiffening element.

1	2	3	4
166783	29-1-88	Hindustan Lever Ltd of Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400020 Maharashtra- India,	A fabric treatments composition with fabric softening proper ties.
166787	26-7-88	Do.	Humectants for skin treating composition.
166802	27-7-87	Do;	Method of producing active gamma-Hydroxydecanoic acid and optionally Lactonised product thereof.
166804	29-9-87	Do.	Process for manufacturing detergent bars having improved hardness.-
166806	29-9-87	Do.	Process for manufacturing detergent bars, with improved hardness.
166902	14-3-88	Do,	A tooth paste.
166979	21-12-87	Do.	Hair growth promoting cosmetic composition for applying to mammalian skin or hair.
166996	25-2-85	Do.	A process for the preparation of an aqueous detergent composition.
167137	9-6-88	Do.	Cosmetic composition for topical application to mammalian skin.
167461	7-6-88	Do.	Soap based detergent compositions.
167523	21-9-88	Do.	Tooth paste.
167967	5-4-89	Do.	Detergent composition.
168406	16-5-89	Do.	Detergent composition.
168407	18-5-89	Do.	A method for preparation of an oral composition for combating dental caries.
168601	28-2-89	Do.	Bleaching detergent composition.
168609	18-5-89	Do.	A process for preparing a substantially fluorine free oral preparation having an anti caries activity.
168714	20-3-89	Do.	Liquid detergent composition.
168813	13-1-89	Do.	Laundry bars.
168842	28-2-89	Do.	Method for preparing * toothpaste composition.
168848	24-1-90	Do.	Method of making an anti-caries tooth paste.
169426	11-5-89	Do.	A non aqueous dry free cosmetic composition containing ester of pyroglutamic acid.
169444	18-5-89	Do.	A process for Preparing oral composition for the treatment of sensitive teeth.
169447	14-12-88	Do.	A method of manufacturing a solid bar from liquid or semi liquid material such as soap non soap detergent or mixtures thereof.
169824	28-4-89	Do.	Detergent composition and process for the preparing them.
169825	16-5-89	Do.	A process for the hydrogenation of higher nitrites to amines.
169826	12-6-89	Do.	Method of making liquid detergent composition.

1	2	3	4
169829	21-6-89	Hindustan LeVcr UA., of Hindustan Lovcr House 165-166 Backbay Reclamation, Bombay-400020, Mftha,aghtia, Tndia.	Method of refining glycerid« oils.
169918	5.3.87	Do.	Process for Preparing a petroleum cricking catalyst containing a sitica/magnesia catalyst cogel base.
170138	11-3-89	Do.	An aquoous cosmetic composition contain- ing ester of pyroglutamic acid,
170243	19-2-90	Do.	Shampoo composition.
170246	3-6-88	Do.	A process for hydrogenation of unjatarated , hydro-carbons.
170247	11-5-90	Do.	Laundry soap bars.
170471	28-4-1989	Do.	DoteiCcnt composition and process for pre- pairng the same.
170472	28-4-1989	Do.	Process for preparing detergent composi- tions and compositions thereby produced
170478	27-7-1987	Da,	An aqu^us single pha_e composition parti- cularly for use in the treatment of keratinous fibres.
170487	7-6-89	Do.	Thickened liquid compositions.
170488	25-7-1989	Do.	Laundary btirs& process for preparing same
170489	28-8-1989	Do.	Built detergent ba_s.
170494	15-6-1989	Do.	. Method for preparing an aqueous .ihampffo composition.
170495	26-9-1989	Do.	Process for preparing iraprov_e liydrolysed protein.
170496	20-9-1989	Do.	Process for prepa/ins improved hydrolysed Protein. .
170497	2-U-1989	Do.	Fi-oceis for preLW.ms a high bulk density Bt-aniUir detergent composition.
170498	9-11-1989	Do.	Method of raakms oral compositions.
170500	14-8-1990	Do,	Detergent compositions.
170592	5-7-1989	Do.	Translucent detergent bars.
^70595	9-3-1990	Do.	Stable detergent composition in liquidier get form.
170611	5-7-1989	Do.	Detergent composition for washing and sof- tening fabrics.
170612	9-8-1989	Do.	Process for purifying crude glycerol.'
170618	16-5-199*	Do,	An aqueoas cosmetic emulsion.
170703	26-9-1989	Do.	Process for preparing improved hydroly.s-sd protein.
170708	27-12-1986	Do,	A liquid bleaching composition.

1	2	3	4
170709	2-3-1990	Hindustan LcVer Ltd., of Hindustan Lcver House, 165/166 Backbay Reclamation Bombay-400020 Maharashtra, India.	Transulc _m detergent bar.
170710	21-3-1990	Do.	Process of producing a built non-soap detergent bars.
170996	21-12-1989	Do.	Cosmetic compositions.
170997	20-5-1991	De.	Detergent compositions.
171071	16-8-1990	Do.	Compositions suitable for topical application to mammalian skin and hair.
171074	29-11-1990	Do.	Method for preparing an oral composition.
171127	27-12-1989	Do.	Bleaching composition.
171130	16-8-1990	Do.	Composition suitable for topical application to mammalian skin and hair.
17*181	31-7-1990	Do.	Soap composition in solid or past Forms and method of making same.
171190-	19-12-1990	Do.	Cleaning compositions suitably for topical application to human skin to remove make-up.
171295	24-4-1990	Do.	Aqueous shampoo and conditioning composition for negroid hair.
171299	8-1-1991	Do.	Shampoo composition.
171323	4-6-1990	Do.	Detergent composition for washing and softening fabrics.
171327	8-11-1990	Do.	Stable bleaching composition.
171329	23-11-1990	Do.	Removal of metal soaps from lihydrogenated fatty products.
171532	26-11-1990	Do.	Sunscreen composition suitable for topical applications to human skin or haiv.
171534	21-3-1990	Do.	Detergent compositions.
171540	2-7-1990	Do.	Tea process.
171563	8-5-1990	Do.	Bleaching compositions,
171565	13-9-1990	Da.	Sunscreen h [^] ir conditioning composition.
171578	12-10-1990	Do.	Structure aqueous detergent composition.
171579	23-11-1990	Do.	Shear thinning liquid abrasive cleaner composition.
171755	U-5-1990	Do.	A preserved composition suitable for topical application to mammalian skin to hair for inducing maintaining of increasing hair growth.
171757	27-8-1990	Do.	Stable liquid detergent composition.
171758	5-10-1990	Do.	Method of making a oral compositions.

1	2	3	4
171759	5-10-1990	Hindustan Lever Ltd. of Hindustan Lever Hdqee, 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India.	Method, for making oral composition [^]
171760	16-10-1990	Do.	Aqueous hair treatment composition.
171762	21-1M99O	Do.	Built non-soap detergent compositions.
171763	21-11-1990	Do.	Detergent bars having improv'd hardness, and its method of manufacture-
171765	3-12-1990	Do.	Detergent composition.
171767	14-3-1991	Do.	Detergent bleaching composition.
171770	27-8-1990	Do.	Stable, liquid detergent composition.
171813	20-4-1990	Do.	A process for preparing as cMw-
171814	24-4-1990	Do.	Process fur preparinu a te.i product.
171820	14-12-1990	Do.	Process for the estrifieition of c.irboxylic acid.
171886	18-1-1991	Do.	A detergent composition for washing fabrics.
171897	15-1-1991	Do.	A batch process for the preparation of a Br*nular dotergont composition.
171898	14-3-1991	Do.	Low temperature bleaching co;nposition.
i72032	26-11-1990	Do.	Process for preparing high bulk denmiv detergent powders containing clay.
172033	8-3-1991	Do.	Process for the preparation of in flastag© inhibiting composition.
172038	8-4-1»1	Do.	Paniculate bleaching detergent compositions.
172040	10-5-1991	Do.	Process for preparing soap-acyl isothionate compositions.
172454	18-1-1991	Do.	Process for bleaching substrate-
^72457	7-5-1991	Do.	A. composition for topical application to human skin to provide protection from et-cssive exposure to ultra-violet rays.
172460	4-6-1991	Do.	Cleaning compositions providing improved mu_s h reduction mildness enhancement or both.
172490	4-6-1991	Do.	Detèrgent compositions.
172847	8-2-1991	Do.	A composition suitable for cleansing the shole body surface including sl^ng or ink.
172850	24-7-1991	Do.	Poultry feed additives.
172881	20-5-1991	Do.	pleaching composition.
172885	21-3-1991	Do.	Process for preparing a therapouLic/cosmetic Preparation.
172886	21-3^1991	Do.	Process for preparing a o_ral preparation.
172887	21-3-1991	Do.	Process for preparing a therapeutic/cosmetic product.

1	2	3	4
172B89	7-2-1991	Hindustan Lever Ltd., Hindustan Lever House, 165/166, Backbay Reclamation, Bombay- 20, Maharashtra, India.	A composition for topical application to the skin to provide protection from excessive exposure to ultraviolet rays.
172903	3-3-1901	Do.	Process for dewatering an aqueous coal slurry into cake.
172913	29-8-1991	Do.	Hair treatment composition.
173187	14-KM99J	Do.	Method of manufacturing an oral composition.
173189	3-4-1992	Do.	Process for preparing detergent compositions.
173394	23-5-1991	Do.	A lubricating/working fluid composition for mechanical vapour composition type heat transfer devices.
173461	19-7-1991	Do.	Shampoo composition containing highly viscous silicone.
173467	20-11-1991	Do.	Detergent compositions.
173468	9-12-1951	Do.	Hair treatment composition for reducing greyness of hair.
157911	9-JUN-52	Imperial Chemical Industries Pic., Imperial Chemical House, Millbank, London, SW1P, England.	Process for reacting carbon monoxide with steam.
159188	5-4-1483	Do.	Process for the production of ammonia.
161290	20-3-1954	Do.	A two stage process and apparatus for producing hydrogen enriched gas.
161489	8-4-1985	Do.	Process and apparatus for producing ammonia.
163106	22-2-1985	Do.	A Process for producing ammonia synthesis gas.
166162	12-5-1986	Do.	Coating composition.
166251	24-2-1956	Do.	A process for producing a purified ammonia synthesis gas.
166S62	7-3-1985	Do.	A process for the production of ammonia synthesis gas.
167736	19-8-1986	Do.	Process for the production of a hydrogen containing gas stream.
170072	24-2-1986	Do.	Apparatus for conducting endothermic catalytic reactions such as steam reforming hydrocarbons, having a boiling point under 220, degree centigrade to produce carbon monoxide and hydrogen and the like.
170167	24-2-1986	Do.	Apparatus for conducting an endothermic catalytic reforming reaction.
172081	7-5-1983	Do.	A method of an electrically insulating material suitable for use in an electrolytic cell.
172330	19-8-1986	Do.	A process for the preparation of catalyst for use in catalytic shift reactions.
172368	5-4-1955	Do.	A process for the production of a hot pressurised gas stream catalytic partial combustion.

1	2	3	4
151284	24-M9S1	Indian Aluminium comniliiy Ltd, [f.fMileton -urset, (Mlcntta-700071.	Pi\~?H for ti-; p^Jn.-iiVi;i of li'A'soda ilu- inii.i liyc'rato tiad c.ilcinad alumina.
164735	1-12-19R6	mdustcikontaki] ,l>. D.rin, Kieiva-20, ri-6900, Floro, Norway.	A jiroc<3s for ivcovery of oil.
159123	14-5-1984	lQstytut Cieczkiej, Syniezy Organicznoj, Bftiauhownia, K.;:lz>crzyn-kozte, Poland.	Method of separating hydrogen chloride from a post reactionmixture derived fromthe high temper^ture chlorination of propyienc to a allyl chloride.
166596	14-3-1980	international Motels Reclamation Co. inc. of EUwood city, Penn,sy]vaniM61t7, U.S.A.	A PfOj,si for rciucing agjlo.njr'Mcs.
161593	16-12-1935	Ion Exchang (India) Lt_1, of Jiceicon House, Dr. S. MJICS Rd. Bombay-400011, Maha,ajht,a, India,	A pi-ocess for prcp^nn's ^n cljclron exchange r^sin spscilically suited for iho remivaj of ii J:I from water.
166910	27-10 19R7	Do.	A process for prep-inns i,nprovod etition exchange reiin.
169423	23-2-1989	Do.	\ novel eloJti-o-cliliorinaior having a novel electrode system comprising a pai_r of cle^:- li-odc assemblies.
170431	19-4.1989	Do,	A nov,;! chlorin; ajtiv.ilo,- for chlorinating potable water.
171159	26-12-1990	[sliihari Siqgyo iCaijh'i, Ltd. of 3-22, Biobori, l-clioime, Nishi-ku, Osaka, Japan.	Prooejs for producing an imidazoljduie derivative.
177764	12-5-1987	JP1 Tra.iiporation, pi-oducts Inc, of 325. E.nt, Eijinhawjr DriVj Ann Abor, MichigiQ- 48104, USA.	A method of producing - a .powered -il imi.ium bja,ing material.
168751	51-12-1936	K'ijoi O.i, i jlv- T ui, of 1 2-7, Shibd.iaimon, 2-chonic Mmato-ku, Tokyo, 105, Japan,	Innji-jv.-rnjili J i 3r r^latiag to a lumines- cent phosphor com.T-ijitiOii process for its preparation and fluorescent lamp employing it.
172792	16-8-1989	KERft. MEG3'3H, domical C^pJration. U.S.A^	JV'JJJS of prctiun'i l'ru; fliiiving power? of non-pigmentary, titanium dioxide BrunuUr aggregates.
171421	2-9HR	Kikuko Yokoyania, of 6-15>Hanamanuma 2-Chojtic, Suginami-ku Tokyo, Japan.	Process for producing anthraquinone com- pounds.
18683T	6-1-87	Kij^vsr Ci-i. Patent. GMBH, KlocWnerstrOsw 2y, Daisliurg-4100, West O_rmany,	4 method for the injlt reduction of iron ores.
166838	5-3-87	Do.	A method for producing iron.
168226	13-7-87	KM-Kab^imstai, Akn,ag,seH>cliaft, P.O. Rox- 3320, Klosierstasse 29, D-4500 Osnab,uck, Federal Republic of Germany,	Process for the manufacture of copper alloy, for use as material for the manufacture of continuous casting ingot moulds.
168332	19-6-H7	Do,	Pi-ocoss for tho manufacture of a continuous casting ingot mould from a copper alloy.
169336	1,2-4-89	laboratory Guidotti, SPA, af Via . Trieste 40, 56100, Pis it Italy.	Pro.'Ms for the preparalion of amides of cyclomcthylen-1, 2-bicarboxylk \cids having therapeutical activity.
172059	12-4-90	0.>.	Process' for the preparation of amides of cyclomethylene-1, 2-r>ica,boxylic acids havinj therapeutical activity.
172060	12-4-90	Da.	Proc-as for the preparation of araidej of cycloinethylene-1, 2-dicarboxylj_c acids- having ther apolitical activity..

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155786	6-4-81	L'Ajr Liquide, Societe, Anonyme Pour L'Etudo Et.L. Exploitation Des Procedes Georges claudes, 75-Quai orsay-75007 Paris Franc*.	Improvements In Or relating to processes of And apparatus far the production of ammonia synthesis gsm.
163053	18-12-84	Do	Method atid installation fo, recoverin* a mixture Propane, butane <£ pentane from a gH containing lighter components including ethane.
1(57585	14-7-86	Do.	Process for cryogenic air separation into its component gases and an air distillation system for carrying out the process.
170626	2-6-87	Do.	Process for separating a geseoug mixture by adsorption.
165211	4-2-86	Lanxjdc Technology Corpn. Tradee Industrial Park Newyork Delaware 19711, USA.	A method for producing a self supporting ceramic composite structure.
166622	22-1-87	Do.	A method for producing a self supporting ceramic composite body having therein at le»st one cavity.
16765.1	I-fi-87	Do.	Method. for producing *br»siv« materials.
168483	7-9-H7	Do.	Method for producing ft self supporting ceramic composite.
168484	7-9-87	Do,	A method of producing a self supporting ceramic composite.
168487	15-9-87	Do.	Production of ceramic and met ^a l composite articles, incorporating filler materials.
16LJO3	13-1-88	Do.	A method for producing a self-supporting ceramic composite structure.
168JM1	4-9-87	Do.	A method of producing self supporting cer*mic body.
169016	14:9-87	Do.	A method of producing • Yoamod ceramic article.
169021	1-1-1)8	Do.	Method for producing > mold-shaped ceramle bodies.
169041	4-1-8B	Do.	A method for producing a self-supporting ceramic composite comprising metal carbide.
189042	4-1-88	Do,	A method for producing self-supporting cer*mic composite.
168482	7-9-87	Do.	Production of ceramic articles incorporating porous filler material.
168735	4-9-87	Do.	A method for producing self-supporting ccr«mic body.
169576	11-5-88	Do.	A method of producing b m*t«i nartix composite.
169580	19-5-8S	Do.	Method for gurftc* bonding of ceramic bodies.
169659	14-7-88	Do.	Mejtbod of producing self supporting bodies.
170722	2-1-89	Do.	Method for producing « met ^a l matrix eompojtc.

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17*077	9-9-87	LanxIde Technology Corpn. Tradec Industrial: Partk, Nawyork, Dalware 19711, U3A.	Method for producing stl-fs'jppportinn ceramic composite structures.
171214	8-2-89	Do.	A mothod for producin a protective layer on a Drin'; S>ly ani a mstriid of uairig a ceramic body.
171652	2-1-89	Do.	M.-thod of producing mstai m ^a trix compo* site.
172794	29-9-89	DO.	Mothod of binding a olurality of bodies conslting m;m;ls csramica ceramics composite aad the like
172868	29-9-89	Do.	A method of forming imtal matrix compo-sites baJiea by use of, an immersion casting technique.
^73036	29-9-89	Do.	AmithDd for mining mjttil mirti x composite bodies.
168525	6-6-83	Lucky Bbtuch. Corporation, of 4550, H irtion, Street, Emeryville California-94608, USA.	P.o ^s for pi-DJauioq navel proteinaceoui . sweeteners.
164740	4-2-88	Lucky Ltd 21, Yiirb-Dong Yongungpo-Gu, Seoul-IJO, Republic of Korea.	A d>i-O3ni for the preparation of pyrethroid type, caster compound.
168240	4.2-88	Do.	A orocsss for the preparation of pyrethroid benzyl e"ster compounds.
170251	13-4-88	LumlnisTTY, of 233 North Terrace Adelande, 5000, South Australia.	M;th^d aii apparatus for mixing first and second fluid.
173299	14-1-92	Lunar Corporation of 313 West Boltline Highv/ay, Madison Wisconsin-53713 USA.	A method of preparing 5, 6-Cis 1 a 24-dihydroxy vitamin D2.
157529	25-3-82	Magnesium Electron Ltd, of Lumn's Lane, Clinton Junction, Swinton, Manchester, England.	A method of making a magoosiura alloy.
162596	7-12-84	Mannesman AG, of M^insttn'wiufbr 2, D^tOOO, Diisseldorf, West Germany.	Process for the production of ferrochromium.
165027	13-5-86	Do.	Process for the reduction of iron-containing chromj ores.
J65587	23-9-86	Do,	Counter current fluid cooled discharge screw for use in a rotary hearth farnace.
167906	13-3-86	Do.	An irmroved proces3 for the preparation of unalloyed steels.
H2618	17-8-89	Msdermott. International Inc., of 1010, CojLion Street. P.O. Box60035 New-Oielenas, LouisiarO-70160, USA,	Process of recovering l thame from natural gas.
166890	25-1-90	Mjtailurgicai'aud B.C.(I). Ltd of Dorsnda, Ranchi, 834002, Biha,r, India.	Improved tuyere stock for bia,t furnace.
160813	1-6-83	Milfjx Intsriutfoml B.V. Wiltri_astrassc-12, Zurich 8032, Switzerland.	Method of Saturating a reducing gas.
i6401<S	16-8-85	Do.	Procjss for reducing metallic oxides to metallised miterial.
1*4263	20-9-85	Miner Enterprises, lac. of-1200, Ea3t Stove Strjet, Oencvas State of Illinois USA.	A method of treating a body tnide from a oopolyester polymsr el^stomir materials.
168763	2-11-87	Mitsubishi, Miilng all Cimjn of 5-1, Mirunouchi-i-chome, chiyoda-ku, Toiyo-100, Japan.	Finely sulvorizgd solid fuel burner.

1	2	3	4
156857	21-7-82	Mobil Solar Energy Corporation, of-16, Huntley, Drive Waltham Massachusetts, USA.	Apparatus for growing thin walled tubular crystalline bodies made of silicon phosphor-alumina or like from the melt.
156863	18-10-82	Monsanto Co. of 800 North Lindbergh, Boulevard, St. Louis Missouri, 63167, USA.	A process for inhibiting premature vulcanization of a vulcanizable rubber composition.
169549	17-12-87	M Vton Tlii}koi [nc. of Station square Tower, Station square, Coventry, CV-12QH, England.	A method of manufacturing a polymeric sheeting.
166878	20-4-88	NOK Insulators Ltd. 2-56, Suda-cho, Minamihoku, Nagoya, City, Aichi-pref Japan,	A suspension insulator.
167946	29-2-88	Do.	A process for producing high strength porcelain for use in insulators,
156855	7-4-82	Nirthoom Tudhan of PTPS, patratu, P.B, No. 7 Dist. Hazaribagh, Bihar, India,	Continuous car oniser for the production of dolomite coke from coal.
171745	21-9-90	Norpharmco Inc. of 700, Baly street, 20th floor, Toronto ontario, Canada M5O 1Z6, Canada.	Method for the preparation of pharmaceutical, 1 Nedlicic ^{al} composition.
171475	14-2-89	Otto India, L Pvt. Ud. off/16 Sijctor-2, Rourkela-768006 Orissa, India.	Process for the treatment of waste water resulting from coal pyrolysis for recycling it and recovery of the salts present therein.
155869	25-9-81	Outokumpu or SF, 83500, Outokumpu, Finland.	A process for the recovery of lead silver and gold from the iron-bearing residue of an electrolytic zinc process. -
157144	1-7-83	Outokumpu OY, Toolonkatu 4, SF-00100, Helsinki, Finland.	Procedure for removing seleniferous material.
166784	11-3-88	Outokumpu OY 4,00100 Helsinki, Finland.	A method for manufacturing tubes, bars and strips of a non-ferrous metal.
171692	25-10-88	Peter weinwurm, of 3590, Kaneffcreseent, Apt, 606, Misaisiaaga ontario L5A-3X3, Canada,	A method of treating hazardous organic waste containing for organic matter and metal, production of an inorganic insoluble industrial raw material.
168084	9-3-87	Philips petroleum company, of Bartlesville, State of Oklahoma, USA.	A process for preparing a polymodal craze resistant low colour transparent linear resinous block copolymers.
168935	9-3-87	Phillips petroleum Company, Oklahoma*, USA,	A process for the preparing a polymodal, craze resistant low colour, transparent linear resinous copolymers.
168443	5-8-87	Do.	An improved water dispersible polymeric composition and a process for preparing the same.
169892	2-3-88	Do.	Fluid loss additives for preventing fluid loss in cement slurries.
170952	1-9-88	Do.	Process for olefin polymerization.
172380	4-12-89	Do.	Process for dehydrogenating light paraffins (alkanes).
169266	3-10-86	Royal Ordnance Pic, of Griffon House 5, The Strand, London-WC2N, 5BB, England.	Explosive shell.
169504	3-10-86	Do,	Electric projectile.
166562	9-7-86	SAB HIFE AB, of Box. 515, S-26124, Landskrona, Sweden.	Vehicle for the action of water to electrochemical accumulator batteries.

1	2	3	4
1608T68	10-7-84	Saint-Gabain Vitrage "Ut MiOhV" it Av^no*. d'Algate, 92400, Coufvevoie Fr»nc«.	A method or for preparing plastics material of b #i optical quality and capable of ab- gOrption of energy.
1614(S5	10-7-81	Do.	Laminated s^Fety pane.
16810.1	29-7-86	Saft, of 156, Av_e_nu_e dc, Matt-93230, Romainville, France.	A method of manufacturing a polymer con- solidated cadmium electrole for an ajkaiin© Btoraac cell.
173290	28-12-89	Samsung Electron Devices Co. Ltd. of 575, Sjn-Ri_F Tat;an-Eub, H wasnng-kum, kyungkl-Do, Republic of Korea.	Method for manufacturing europium activated phosphor.
169510	10-9-87	Sanfojd Redmond, of 746 Riv_er bank Rd. Stanford, Connecticut, O6903J USA.	Dispensing package for flowable products.
171235	1-9-88	Sertk BAKBR Ltd, of 6, Poole Rd., Wimbourne, Dorset, England.	Separator for separating a rni\tur« of liquids.
156920	24-5-82	Shell Internationale R_cie*rcb, Maatschappij B,V. Holland.	Sulphur recovery process.
158380	5-ii-s;	Do.	Process for the preparation of Fishertropsch catalyst and use of this catalyst in 'the pre- paration of hydrocarbons.
158700	19-7-83	Do.	Process for the preparation »f hydrocarbons.
158141	9-2-83	Do.	A process for the sePWion of a liquid mixture by extraction.
159456	2-3-83	Do.	Process for recovering a glycol from an electrolyte containing aqueous solution.
160*59	26-2-85	Do.	A processft»rpreparing a carboxyl terminated polyester,
161735	27-8-84	Shell Internationale Research Maatschappij B.V. carel Van Bylandtlaan, 30,2596, HR, Th_0 Hague, Th_e Netherlands.	Process for the prep^ation of hydrocarbnp mixtures boiling bet 2 J50°C and 360°C.
162398	26-10-84	Do.	Process for the preparation of hydrocarbons having at l«a5t five c&rbon atoms p«r mole- cute from hydrocarbons having' at must four carbon atonic per molecule.
163184	21-3-85	Do.	Process for the preparation of polymers of conjugated dicnes and optionally mono alte^yl ftromatic hydrocarbons.
163547	27-12-84	Do.	A process for preparation of an activated catalyst.
164143	8-2-85	Di.	Projjss for the preP^ration of hydrocarbons by catalytic ration of carbon monoxide with hydrogen.
164153	8-2-85	Do.	Pwcsai for tht preparation, of hydrocarbons.
164284	14-3-85	Do.	AppratUH for th_e «»siflcation of tb^ pulveriz- ed solid fuel.
1644*55	13-6-85	Do.	Process for the Preparation of hydr ocarbons,

1	2	3	4
164493	27-3-1985	Shell International Retouch Maatschappij B.V. Carel Van Byfendtlaan, 30, 2596 HR, The Hague. The Netherlands,	Process for the preparation of linear GO-C20 olefins.
165116	3-7-1985	Do.	A process for the preparation of activated catalyst*
165407	16-7-1985	Do.	A process for producing synthesis gas of increased H ₂ /CO ratio.
165968	8-10-1985	Do.	Process for the production of synthesis gas with an increased H ₂ /CO ratio from hydro- carbons.
166314	11-8-1986	Do.	Process for preparing novel copolymers of carbon monoxide ethane and another olefini- cally unsaturated hydrocarbons.
166496	3-12-1985	Do.	Process for producing a substantially H ₂ S free gas from a sour gaseous stream such as naturally occurring gas synthesis gases pro- cess gases and fuel gases.
166813	27-12-1985	Do.	A process for the preparation of heavy liquid hydrocarbons boiling above 360°C by cata- lytic reduction of carbon monoxide with hydrogen.
167260	25-4-1984	Do.	A process for the preparation of hydro- carbons by catalytic reaction of carbon mono- oxide with hydrogen.
167283	20-6-1985	Do.	Aa Improved gasoline composition for use in sparkignition engines.
167615	26-2-1987	Do.	A process for the preparation of a carbony- lated olefinically unsaturated compound.
167707	6-11-1986	Do.	A method for the preparation of a catalyst suitable for the preparation of hydrocarbons.
167902	29-7-1986	Do.	A process for the preparation of synthesis gas from a gaseous or liquid hydrocarbon containing feed.
167994	25-6-1986	Do.	Process for the anionic polymerization of monomers.
168064	30-7-1986	Do.	Melt-spinnable for meltblowable copolymer composition and fibres whenever melt-spun or melt-blown therefrom.
168471	29-7-1986	Do.	Process for producing H ₂ S free gas from H ₂ S containing sour industrial gas stream.
168472	5-8-1996	Do.	Process for producing an H ₂ S gaseous stream from H ₂ S containing sour gaseous stream.
168743	7-10-1986	Do.	A process for producing a hydrogen-contain- ing gas.
168749	19-1-1987	Do.	An apparatus for contacting gas and liquid.
168884	3-11-1986	Do.	Apparatus for solids liquid separation.
169702	30-1-1992	Do.	Apparatus for contacting gas liquid and solid particles.

1	2	3	4
169380	7-1-1986	Shell Tnte'national Research Maatachapplj B. V. Cwcl Van Bykndtiaan, 30, 2596, HR, Tne Hague, The Netherlands,	Method of manufacturing partially crystalline polyster articles.
169503	7-1-1986	Do.	Method of manufacturing an amorphous thermally stable polyole fin modified polyethylene terpholate sheet.
169589	20-10-1987	Do.	Improved catalyst compositions for use in the production of ethylene oxide.
170003	3-6-1986	Do.	Process for the preparation of a silver catalyst.
170009	274-1987	Do.	Process for the preparation of a silve-eon- titining c>t>lyst suitable for the oxidation of ethylene to ethylene oxide.
170453	16-2-1987	Do.	Process for regeneration spent resin.
170625	22-5-1987	Do.	Process for the preparation of polymers.
170743	4-3-1987	Do.	Process for the preparation of carbonyl compounds.
171627	4-5-1987-	Do.	Novel catalyst composition.
172272	27-7-1987	Do.	A process for tho preparation of silver containing catalyst.
164998	284-1986	SKWTliOSTBBRG AO. of Dr. AlbjrL Frank, St/est, 32, D-8223, Frostberg, F.R, Oermahy.	PmJoss for thu removal of caffeine from te ^a .
171041	8-8-1985-	Societc General pour, Lcs Techniques, Nouvelles, S. G.N. of 1, rue, des Herons, Montipny-lc-Bretonneua, 78184-Saiut-Qumtto, cn-Yvolines, Cedcs, France.	A process and en appar*tas for producing methane, and carbon dioxide.
163181	13,2-1985	Sociele Nationals Ele, Aquitaine, of Tour Aqoitainc, 92080, Paris 1* Befc«se, I'rancee.	A process and an installation for the distillation of petroleum of fossil or synthetic orgin.
167111	12-2-1985	Sohio Commercial Development, Corporation, At, Midland Building, Cleveland Ohio-44115, USA.	A method o f manufacturing a film of Hgl- Xcd X Te on a conductive substance.
172865	7-8-1989	Solme* AG, of Roh,listr ^a sse. 6353, Wegfiit, Switzerland.	Pencil lead substances and a process for it's production.
171136.	25-114988	Somoco, products Co, of H>rt>ville South, C^rolina-29550. USA..	Streten blowmolded poyethylene terephthalate wide mouth container and intermediate article.
164758	II-7-H85	SpiciT-lisuJ p.lyurcth»Qe, Applications Pty. Ltd, of 5st- Thoma ₃ street, Waverly, New- south-1, Weles-2024 Australia, and Dyno. WESFARMERS LTD, of Military Rd, Cereraore, New-South Vj^les, Australia.	Borehole plug for a borehole for placing explosive* therein.
15821J	3-3-19S3	StamioarboD B.V. P.O. Fox-10 6160 MC. Geilen, Th ₀ Netherlands.	An improved process for preparing nielamine.
162564	14-11-1984	Do.	Proc«s f>r preparing a purified rubbe.r.
164794	1-5-1985	Do.	FrJc«si for tlie Preparation of polyttra- n»thyl«n» •pid"mid«.

1	2	3	4
164004	8-8-1985	Stfcin Industries, of, 19-21, avenue, merane, ScUlnlor 78L40, Vdizy Villacoublay-F,ance.	Ignition anrl combustion supporting bums: for pulverized solid Fossil fuel.
163805	10-12-1985	Do.	¹ Duct for conveying smoke filled \with fins ash particles end having h _e at exchangers and PfOtektiv ₀ device for Protecting the h _e at exchangers.
158598	8-9-1982	The Lubrizol Corporation 29400 Lakeland Boulevard Wickliffe, Ohio-44092. USA,	A process for preparing a composition for lubricating metal during working thereof.
160502	31-3-1984	Do.	Phosphours containing metal salt/olefin addj. tive composition.
161061	24-6-1983	Do.	Process for making a nitrog _e n containing ester of a carbo^y containing interplymer.
161461	8-8-1983	Do.	A liquid composition having hydrocfrbyl substituted carboxylic a^ylatins agent derives tive containing combinations.
161606	16-2-1984	Do.	An additive composition having alkyl phenol and a _m ino phenol for use in lubricating compositions.
162587	29-1-1985	Do.	Process for preparing a w _a ter disperible reac- tion product for use in lubricants cutting media.
162875	31-3-1984	Do.	Process for the preparation of metal corro- sion inhibitor for use in aqueous system.
163405	11-2-1985	Do.	A process for preparing nitrogen, phospho- rus containing agents useful »s ashless aoti wear extr<«n _e pressure and/or load earring atfent.
163431	28-2-1983	Do.	Additive composition containing aniinophe- nol cornbinaioas u^ful as lubricant and fud additives.
163584	15-6-1984	Do.	A method of preparing rmetaigait ofdiajkyl- phosphorodithioic acids.
163700	16-2-1984	Do.	An i.ujiroved lubricating oil composition.
164211	28-1-1985	Do.	Improved process for making substituted Cdrboxylic acid and dorivativ _e thereof.
164585	15-1-1986	Do.	A lubricating oil composition.
164*34	16-10-1985	Do.	A Process Of preparing a ,ulfuiized compo- sition useful ^a s lubricant additives.
164850	18-12-1985	Do.	Process for tho preparation of a dispernant suit suitable for formation of stable aqueous disperse composition.
165348	24-12-1985	Do,	A process for preparing a coating compo- sition.
166098	31-3-1984	Do.	A lubricant composition having antioxidant/ or anti-wear properties.
166099	31-3.1984	Da.	A phosphorus, containing m _e tai salt/olofin additive composition.
166474	3(M0-1985	DJ.	A Pfojssi ft>»i preparing a lubricant additives aqueous system.

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166484	25-11-1985	The Lubrizol Corporation 29400 Lakeland, Boulevard Wickliffe, Ohio-44092, USA.	A lubricating oil composition containing loss than about 0.1%, by weight of phosphors.
166512	15-1-1986	Do.	Liquid hydrocarbon composition for use as fuels crude oils lubricants.
166757	15-4-1986	Do.	A process for preparing sulfurized hydrocarbonyl containing compounds.
166823	24-1-1986	Do.	Aa oil soluble lubricant composition..
167018	28-8-1986	Do.,	A method for producing homopolyoisers and copolymers of atnido-sulfonic acid containing monomers and selt thereof.
167479	28-1-1985	Do.	Improved process for making substituted carboxylic acids.
167490	25-11-1986	Do.	A process for preparing oil-soluble viscosity improved
167643	28-2-1983	Do.	A nitrogen containing organic additive in the form of composition or concentrate.
167666	13-10-1986	Do.	A water in oil emulsion for use such as hydroanlic fluids acidizing fluids or explosive compound.
167837	5-8-1986	Do.	A fuel composition for internal combustion engines.
168197	23-9-1987	Do.	Process for the production of a high carbonate containing borated product.
168250	16-10-1985	Do.	A liquid lubricating composition having improved antioxidant characteristics.
168302	17-12-1986	Do.	A factional fluid such as hydroauUc/transmission fluids frake fluids power steering fluids tractor fluids.
168375	16-4-1987	Do.	Lubricating composition containing an additive debated from 0,0-dialkylditbophosphoric acid and a norbornyl reactant and method for the producing thereof.
169508	17-12-1986	Do.	Composition for use as an additive for functional fluids,
170459	17-9-1987	Do.	Lubricant composition.
170653	18-12-1985	Do.	Improved dispersant salt composition.
170839	25-11-1986	Do.	A process for preparing oil soluble viscosity improves.
172193	25-11-1986	Do.	A process for making an oil soluble dispersant viscosity modifying composition.
172297	28-1-1985	Do.	Method for preparing a substituted carboxylic acid derivative- composition.
172725	6-7-1988	Do.	A process for preparing a lowar alkylene polymer.
172274	3-9-1987	Do.	A method for preparing an oil soluble metal containing additive for use in functional fluids.

1	2	3	4
167854	29-7-1986	The lisa,d ofthe R-ibber Research institute of, Malaysia, of 260, jalan Atnpang, Kuala, Lumpur, ' 16-03, Malaysia:	Piocess for the production of epowidisod iaturai rubber from fresh, natural rubber field latex.
157506	28-12-1981	The British Petroleum Company Ltd Hritanni,, Housi, Moor Lane, London re 2y 9BV, England.	A process for producing the crystalline aluiuinosisilicates.
158991	942-1982	Th ₃ Malaysian Rubber Producer's, Research Association, Brickendobbury. Hertford, SO13, BNL, England.	Amsthodof making epoidized cis1,4-pol- yisopreno rubber.
167496	18-3-1987	Do.	A mjLhod of preparing an clastopltstic composition.
172101	27-11-1936	Dii.	Method for producing low molecular weight rubber latex.
164806	J13-S-19S5	Tile M.W. K-^llot Com _t viay fruee Wreotiway, Pjaz«, Houston T ₀ \fts-77046 USA.	Piocjss foi prJjucitij amnunid jn a synthe- ms.
169187	19-3-J987	LK>.	A piocdss for the st«am cracking of hydro- cutljon?.
171012	1/-7-19&7	Uj.	Process for lecovcnng mercury from natural 8 ^a s.
171796	15-1-1989	DJ,	Method for sepaiating a hydrocarbop gas mixture and recovering a liquid stream of condensed hydrocarbon component* tiefe from.
172742	18424937	rile Stani u- Oil Cunany, of Patent ua.l L'henc» Division, 200, Public square, Cleveland Ohio, 44114-2375, USA.	\ method for the manufacture of limio con- tacts.
157575	UML-19^1	Tlij Tit^n Manufacturing Co. Pty. Ltd, of Cur, Woodstock, Street, and Industrial, Highway, Mayüeld, New South Waies-2304, Australia.	A nut in cotporitititf re^istauce niBUii?.
157441	19-II-19SI	The Titan Manufacturing Co. Pty. Ltd., of Cur, Woodstock Street and Industrial Highway, MayMd, New S.iuth Wajes-2304, Australia.	A threaded deformed bar.
165991	24-14986	Do.	Defoimed bar for particular use On a rock bolt
165862	17449Kb	[LV Co. Lid. of Hibiya ICokuga,i B]dg. 8P, 2 -3, Uchi^ai /ai-üio, 2-chijraj, ohiyoda-ku, Tokyo, 100, Japan.	Um-Water separator.
160095	1-11-1983	T A N Materials Research Ltd, of 20, St. Mary's Parronase, Manchester M3,2NL, Ei [gland.	Non a ₃ besta» flaxible sheet material.
165755	25-9-1985	I'okyo Enemeering Cor. li. 2 -5, K.asuuijaseki, 3-chorae Chiyoda-k.u, Tokyo Japan.	Process for producinB urea.
167486	12-9-1986	Do.	J'rJ^;s5for tr^tiisjurna grinutes with a _{Urea} mjlt, a^ liquid coatinjj material in a fluidi- zing bed to a obtain coated urea granules.
171250	1640-1987	Do.	A procos* for the synthesis, of urea.
162238	1241-1984	UHDE,, GmbH of Fitfdrich-Uhd _c -Str. 15,1 +600, Dortmund, Federal Republic of Germany.	Djvice far Performing exothermalcaialytie g ^u s reactions for and th© ammonia or methnnol synthesis.
168591	30-74916	Do.	Appratus for tho produotion of synthesis gas.

(1)	(2)	(3)	(4)
162734	W1-1984	Unie Van Kunstmesk-fabricatie B.V. P.O. Box 43, (Hot), AA Utrecht, The Netherlands.	Process for the preparation of granules.
164392	7-1-1985	Do.	Process for the preparation of uret.
168017	4-9-1985	Union Carbide Corporation, of 19, OM Ruitfo-bury jtd. Donbury, State of Connecticut, 06817, U.S.A.	A process for producing aldehydeM by Hydroformylation.
168034	4-9-1986	Do.	A hydroformylation process for producing aldehydes.
169702	10-7-1987	Do.	An improved non-aqueous hydroformylation process for producing aldehydes.
171145	19-5-1988	Do.	A process for producing atere^regular polymer* having a narrow molecular weight distributor.
172293	J4-19.W	(Jnitei parcel ^ervici of America Ins, of 461, Woavev ST. Greenwich off Park-5, Greenwich Connecticut-06836, 3160, US.	System for optical marks sensing and decoding optically readable label.
156855	7-4-1987.	Viindana Pvt. Ltd, at 203, 2nd Floor, Karen Centre, &D. Rd. Secunderabad-5000(B, Andhra, India.	Continuous carbonise ¹ for th- production of domestic coke from coal
164489	[K-4-19Kü	Voicst Alpine AG. of 5. Maldemtrasso, A-4020, Linz, Austria.	An improved process for the production of sponge tron-with the simultaneous gone ration of top-gas.
169922	1J-10-19R7	WNC-Nituichernie GmbH, of D-8261, Aschay, West Germany.	Process for the preparation of propell*nt harage powder.

REGISTRATION OF DESIGNS

The following designs have been registered. They are open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 3. No. 172805, Delaey. French Societe Anonyme, a French company of 55 rue Raspail of 92.532 Levelailuie Perret-Cbdex, France, "BP.AUTY CASE", nth December 1996.

CUIU 3. No*. 172825, 172826, 172831 & 172832, Ficewill Sports Pvt. Ltd., an Indian Company having their principal place of business at S 32, Industrial Area, Jalandhar-144004, Punjab, India "FOOTBALL", 18th December 1996.

Claw 3. Nos. 172574 to 172576, Smt. Mohinder Kaiir, sole Proprietor, Maja Cosmetics, A 6J/9, G. T. Karnal Road, Industrial Area, Delhi-33, India, an Indian national, "CONTAINER", 11th November 1996.

Claw 4. NOB. 172871 to 172875, Pedder & Pedder Tiles Limited, a company incorporated under (he Indian Companies Act, 1956 having office at 603. Keshava, Bandra-Kurla Complex, BandrafR}, Mumbai-40005., Maharashtra, India, "TILE", 30th December 1996.

Claw 6. Nos. 172827 to 172830, Freewill Spoils Pvt. Ltd., an Indian Company having their principal place of

business at S 32, Industrial Area, Jalandhar-144004, Punjab, India, "FOOTBALL", 18th December 1996.

Class 10. No. 172884, API Polymers (India) Limited, J 17, Udyog Nagar, New Delhi-110041, India, a company incorporated under the Indian Companies Act, 1956 whose registered office is at the above address, "SHOE SOLE", 1st January 1997.

Cl»s» 1. Nos. 172783 & 172784, The Goodyear Aire * Rubber Company, a corporation organised under the laws of the State, of Ohio, with offices at 1144 Eait Market Street, Akron, Ohio 44316 0001, U.S.A., "TYRE TREAD", 9th December 1996,

CUM 1. No. 172773, Tefal S.A., a French company of Z.I. des Granges 74150 Rumilly, France, "HANDLE FOR COOKING UTENSIL", 6th December 1996.

Class 3. Nos. 172774 & 172775, Tefal S.A., a French company of Z. I. des Granges 74150 Rumilly, Fiance, "HANDLE FOR COOKING UTENSIL", 6th December 1996.

Claw 10. No. 172794, S. S. Enterprises, Laxmi Market, Jagipara, Shahganj, Agra, U. P. India, an Indian partnership concern, "THE SOLES OF SHOES FOOTWEAR ONLY", 10th December 1996.

T. R. SUBRAMANIAN
Controller General of Patent, Design & Trade Mark*

प्रबन्धक, भारत सरकार मन्त्रालय, फरीदाबाद द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1997

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